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Sea Level Variations for the United States 1855-1980

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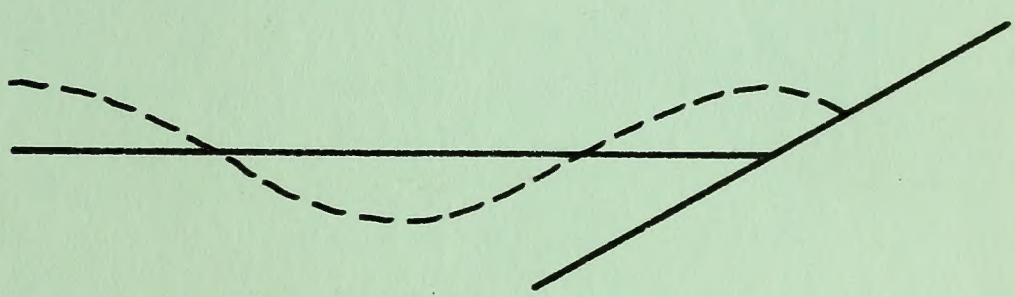

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Sea Level Variations for the United States 1855-1980

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January 1983

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National Ocean Service
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CONTENTS

Acknowledgments v

Abstract vi

Introduction 1

I. Sea Level — — An Abbreviated Summary 2

II. Applications — — An Elementary Introduction 4

A. Climate Monitoring 8
B. Vertical Land Movement 9
C. Coastal Processes 9
D. Charting 11
E. Coastal and Marine Boundaries 12

III. Data and Series 13

IV. Trends and Variability 13

V. Area Means 14

VI. Station Graphs and Data Values 15

VII. References 35

Appendix A Plots of Monthly and Yearly Mean Sea Level 41

Appendix B Monthly and Yearly Mean Sea Level Data 65

Appendix C Formula for Calculating Trends and Variability 169

LIST OF FIGURES

Figure		Page
1.	Yearly mean sea level at Atlantic City, New Jersey	3
2.	Least-squares line of regression giving apparent secular trend at Atlantic City, New Jersey	5
3.	Response characteristics of seven-point triangular (1,2,3,4,3,2,1) weighting array	6
4.	Curve, generated by application of seven-point triangular weighting array, showing apparent secular trend and tendencies at Atlantic City, New Jersey	7
5.	Northern east coast area mean with damping array	29
6.	Southern east coast area mean with damping array	30
7.	Gulf coast area mean with damping array	31
8.	Southern west coast area mean with damping array	32
9.	Northern west coast area mean with damping array	33
10.	United States mean with damping array	34

LIST OF TABLES

Table		Page
1.	Station numbers, names, and locations	16
2.	Trends and variability, station list	19
3.	Trends and variability, entire series	21
4.	Trends and variability, 1940 through 1980	23
5.	Areas with inclusive stations	25
6.	Trends and variability, area and U.S. means, 1940 through 1980 . .	27

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ABSTRACT

An introduction to the study of sea level and its applications are presented. Trends, their standard errors, and annual variabilities are computed for 44 U.S. stations that are permanent, continuous, and were in operation before 1940. The computations are for the entire length of series at each station and for the common series length, 1940 through 1980. Trends, their standard errors, and annual variabilities also are computed for five area means and the U.S. mean. Graphs of area means, the U.S. mean, and 67 individual stations are depicted, the latter for both yearly and monthly mean sea level. Monthly and yearly mean sea level data are tabulated for the entire length of series at the 67 stations.

INTRODUCTION

The purpose of this report is to provide a statistical, graphic, and numerical description of sea-level variations. It is directed toward the fields of geological oceanography and coastal engineering for coastal processes investigations; meteorology, climatology, and hydrology for climate monitoring; geology, tectonophysics, and geophysics for vertical land movement studies; and physical oceanography for tidal datum evaluations.

The report includes: (1) computations of secular trend and yearly variability at each station, (2) graphs of areal means, (3) superimposed graphs of damped areal means, (4) graphs of averaged monthly mean sea level for each station, (5) superimposed graphs of the most recent year of monthly mean sea level, (6) graphs of yearly mean sea level for each station, and (7) the tabulation of all monthly and yearly mean sea-level values used in the study. The scope of the presentation is limited to: (1) the marine coasts of the United States, (2) observations from National Ocean Service tide stations, (3) observational series which began prior to 1940 (for the analytical portion) and that have relatively few and short breaks, (4) computed monthly and yearly mean sea level, and (5) variations occurring from 1855 through 1980.

This report constitutes an expanded reintroduction of the annual series, NOAA Technical Memoranda NOS 12 and 13 of Hicks in 1973 and Hicks and Crosby in 1974, respectively. It has been enhanced by areal analyses after Hicks and Shofnos (1965b) and NOAA Technical Memorandum NOS 15 of Hicks and Crosby in 1975.

Sea-level variations over geological time spans leading up to the present measurement series are given by Fairbridge (1958, 1962, 1972) and by Milliman and Emery (1968). Lucid summaries are in Fairbridge (1960) and Emery (1969).

No attempt has been made to give complete references or to provide an extensive bibliography. The references are intended only to assist those readers who are unfamiliar with the subject in "getting into" the literature.

I. SEA LEVEL — — AN ABBREVIATED SUMMARY

The sea surface rises and falls in time intervals of less than a tenth of a second (in the case of capillary waves) to geological ages, and in height from less than a millimeter to over a hundred meters. A plot of yearly mean sea-level elevation against time, using Atlantic City, New Jersey, as an example, reveals yearly variability, tendencies of change from several years to about two decades, partially hidden periodicities, and an apparent secular trend (figure 1). The term "secular," in this case, means nonperiodic. The word "apparent" is used since it is not known whether the trend is truly nonperiodic or merely a segment of a very much longer oscillation.

Yearly variability is due to variations in the meteorological and oceanographic parameters of wind (Roden, 1960), direct atmospheric pressure (Roden, 1960, 1966), precipitation, river discharge (Meade and Emery, 1971), currents (Garrett and Petrie, 1981), evaporation, salinity, and water temperature (Stewart et al., 1958; Roden, 1960, 1966). Wind stress accounts for both setup and net wave transport as well as for causing and altering many currents. Direct atmospheric pressure alters sea level by the inverted barometer effect. Precipitation and river discharge decrease salinity and thus density, allowing higher sea-level stands. Likewise, evaporation increases salinity and thus increases density giving lower sea levels. Changes in water temperature also change the density with the appropriate response in sea level. Variations in currents that approach (to any degree) a geostrophic balance will have their athwart-current slopes altered, which register as sea-level changes. The above parameters are interactive, of course. For example, anything (such as density differences) that would help to maintain sea-level differences across a current (which approaches a geostrophic balance) is maintaining the current's slope and thus the current. By the same token, the current maintains the slope (sea-level difference), contributing to the density difference on each side.

Tendencies are attributed to climatological changes in the above parameters. The partially hidden periodicities are due to such phenomenon as the lunar node cycle (Rossiter, 1967) and the Southern Oscillation (Fairbridge and Krebs, 1962), et cetera. The apparent secular trend results from the effects of glacial-eustacy, thermal volumetric changes, vertical land movements, and both climatologic and oceanographic apparent secular trends.

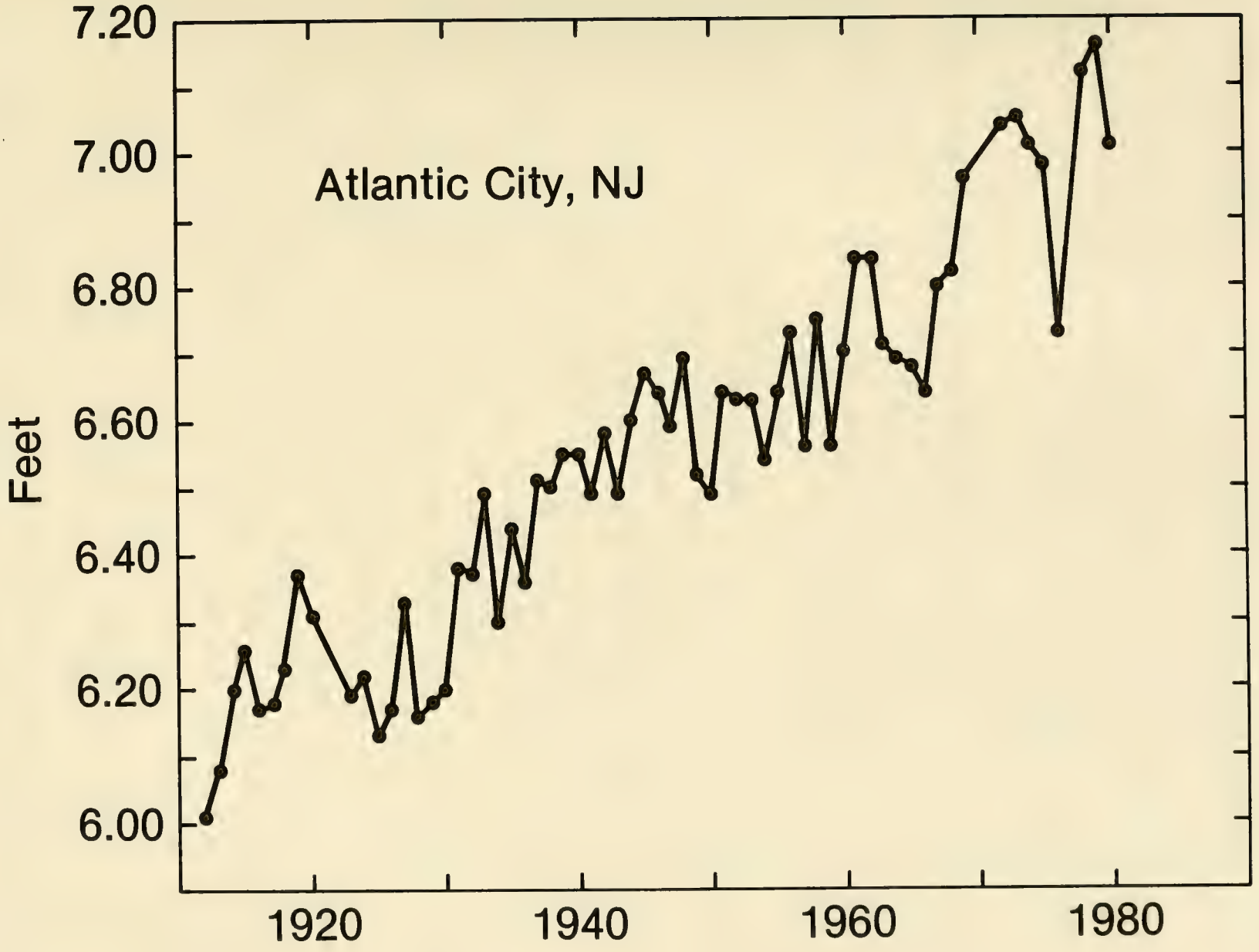

Figure 1. Yearly mean sea level at Atlantic City, NJ.

Although sea-level series are usually not strictly linear, a least-squares straight line of regression has many advantages (figure 2). For practical application, it provides a single-value rate at each station for the apparent secular trend. A straight line also facilitates a convenient measure of yearly variability in the "standard error of estimate" computation. Higher order polynomials may provide a better fit. It is stressed that there is no evidence or reason why sea level should obey a straight line or any other polynomial. Thus, prediction by extrapolation of these lines is questionable.

Multiple regression of sea level on the meteorological and oceanographic parameters, coupled with a spectral analysis for the periodicies, probably offers the best avenue for understanding the processes involved and eventual prediction. For this prediction method to be successful, however, the parameters themselves must be predictable — — a formidable task at even one station.

Damping yearly variability using a predesigned filter with specific response characteristics (figure 3) reveals both tendencies and the apparent secular trend very well (figure 4). It would seem that damping, by largely eliminating the meteorological and short-term oceanographic effects, would then enable separation of the eustatic (glacial-eustatic and thermal volumetric) component from the vertical land movement (including, for this discussion, tectonic, isostatic, elastic, compaction, subsurface withdrawal, shelf loading, vertical component of plate movement, et cetera) component. Unfortunately, sea-level series obtained from tide station measurements are relative. That is, the series shows changes in sea level relative to the adjacent land at that location. A series showing a rise in apparent secular sea level (figure 4), for example, could be interpreted as: (1) that the ocean is rising relative to the center of mass of the Earth while the land is rising at a lesser rate relative to the center of mass, (2) that the ocean is rising while the land is stationary, (3) that the ocean is rising while the land is sinking, (4) that the ocean is stationary while the land is sinking, or (5) that the ocean is falling while the land is sinking at a greater rate.

II. APPLICATIONS — — AN ELEMENTARY INTRODUCTION

Although monthly means have been graphed and tabulated, the analysis portion of this report has been limited to yearly mean sea level with emphasis on variations

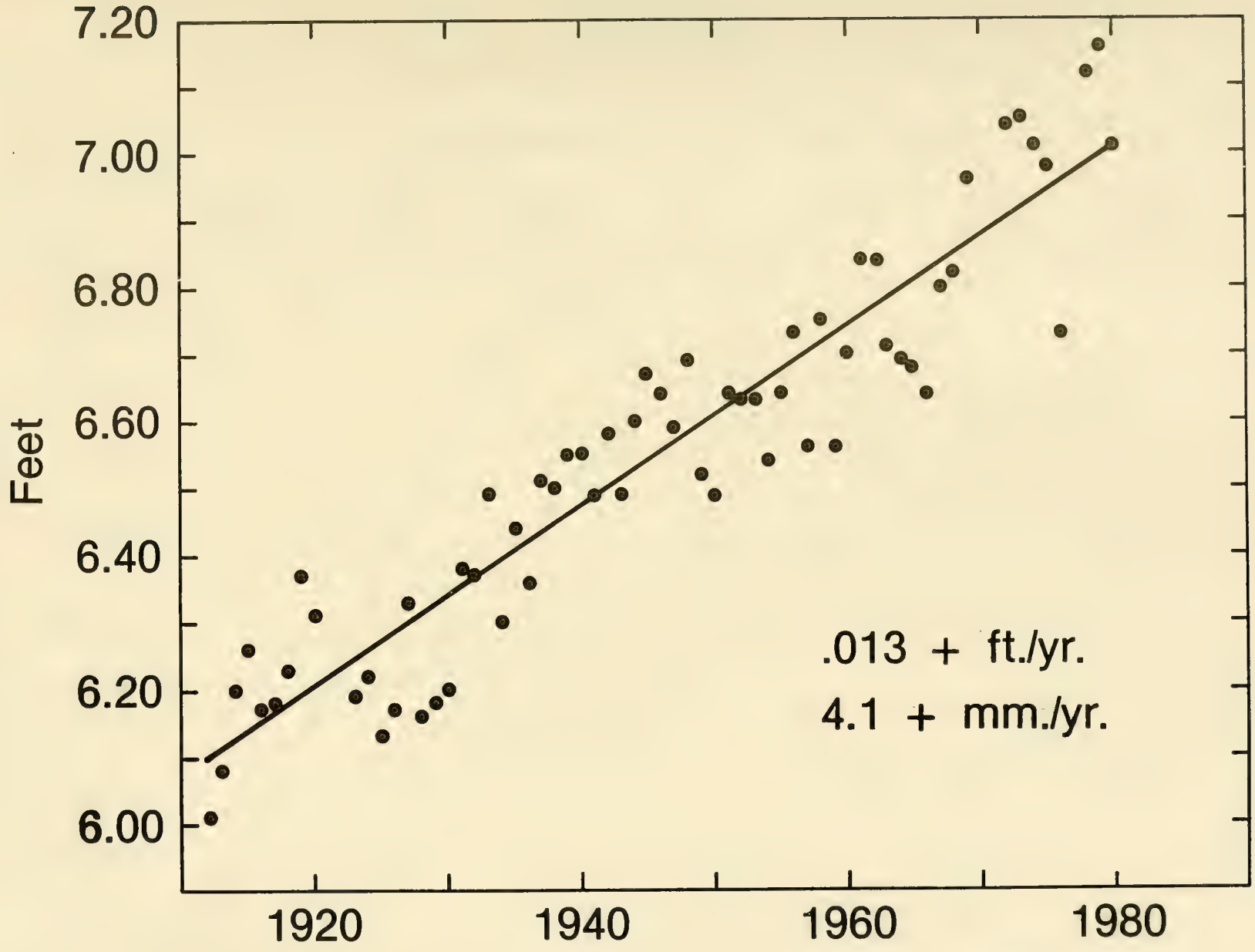

Figure 2. Least-squares line of regression giving apparent secular trend at Atlantic City, NJ.

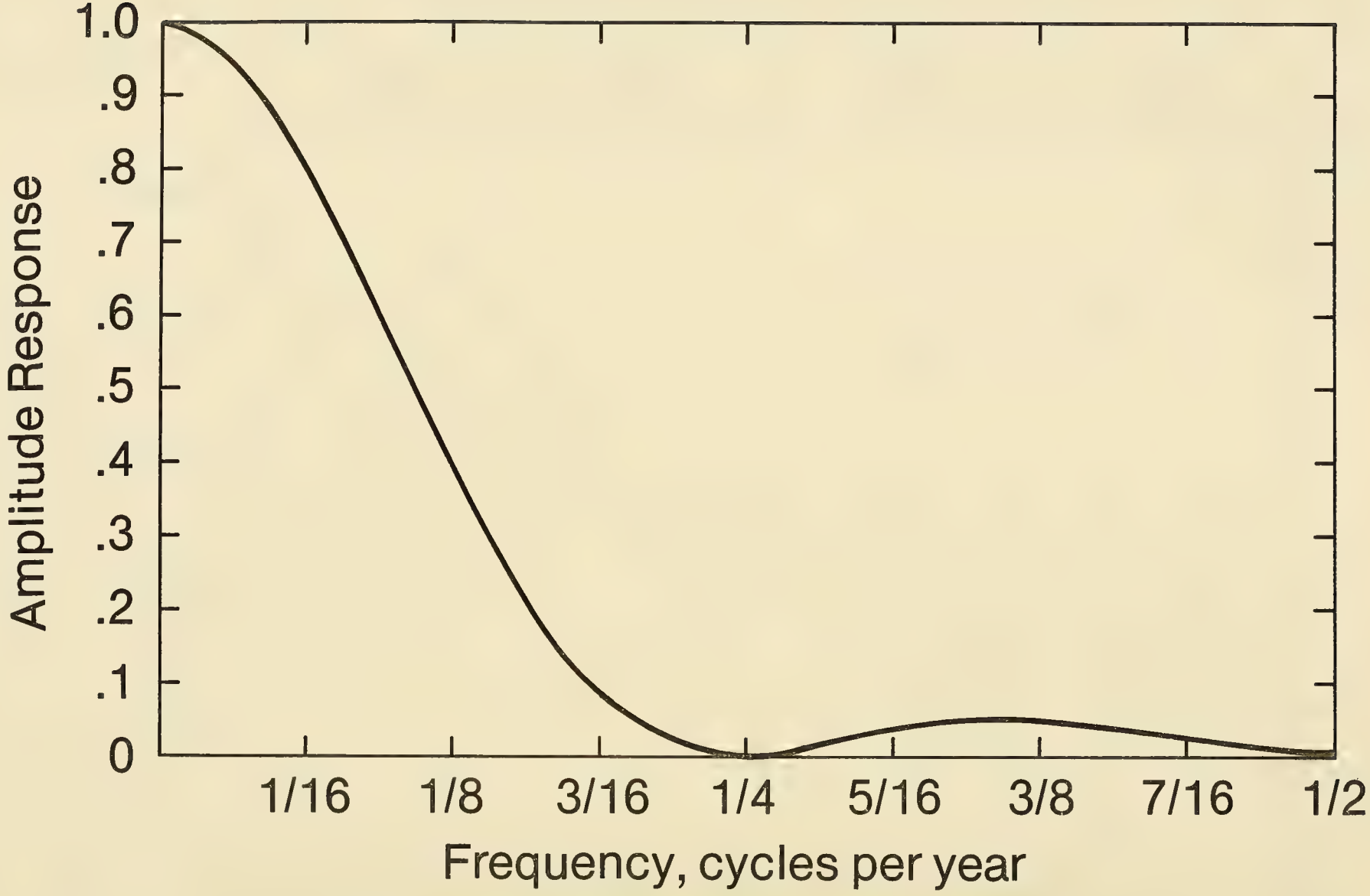

Figure 3. Response characteristics of seven-point triangular (1,2,3,4,3,2,1) weighting array.

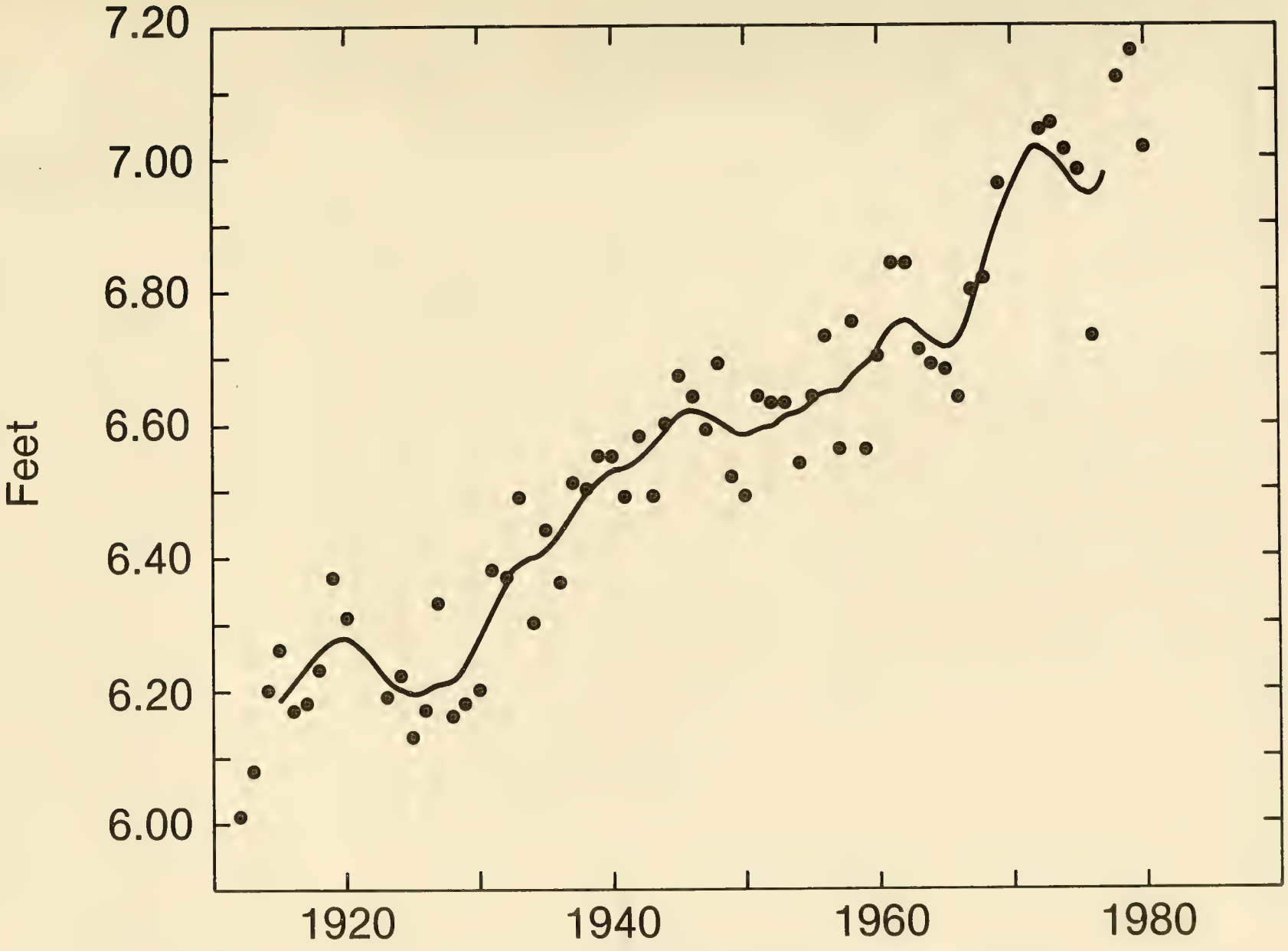

Figure 4. Curve, generated by application of seven-point triangular weighting array, showing apparent secular trend and tendencies at Atlantic City, NJ.

over intervals of several years through decades. Examples of applications in this range are given below but none are for the higher frequencies such as current variations as deduced by sea-level fluctuations (Garrett and Toulany, 1981 and 1982).

A. Climate Monitoring

The fields of geological oceanography and coastal engineering require relative sea level for coastal processes investigations. But the atmospheric and geological sciences require absolute sea level for their climate monitoring and vertical land movement studies. They require separation of the eustatic and vertical land movement components in the observed relative sea-level series. Since the observed relative sea-level series is subject to so many absolute interpretations, as expressed in the preceding paragraph, some "anchoring" approach must be sought.

The traditional method assumes that tide stations are equally distributed throughout the Earth. The observed relative sea-level series or their trends are meaned to give the eustatic component. The basic assumption of the method is not valid, of course. Continents, with their shorelines for mounting traditional tide gages, are not equally distributed throughout the Earth. Furthermore, tide stations have been largely concentrated in the industrialized nations of Northern Europe, North America, and Japan. Nevertheless, most of our eustatic rates come from modifications of this method. Areas, unique in their sea-level signal coherence (Roden, 1966; Hicks, 1972) and geological similarities (Gutenberg, 1941), are weighted and averaged to compensate, hopefully, for the unfulfilled assumption. Also, particular stations are frequently "favored" for their length of series, bench mark control history, instrument care, exposure, and geological location (Lisitzin, 1958).

Investigations using this general method, although varying greatly in detail, have been summarized by Lisitzin (1974). Her conclusion, based on papers by Gutenberg (1941), Lisitzin (1958), and Fairbridge (1961), among others (including those considering cryologic estimates), is that the average eustatic increase amounts to 1.0 to 1.1 mm per year. More recent findings are: Emery (1980), 3.0 mm per year; Gornitz et al. (1982), 1.2 mm per year; and Barnett (in manuscript), 1.5 mm per year. Gornitz et al., Etkins and Epstein (1982), and Barnett have correlated eustatic rates with glacial melting, air temperature, and ocean thermal

expansion. A detailed composite study for the United States and a demonstration of the importance of the use of geopotential heights in comparing net changes from stations of widely differing latitudes have been given by Hicks (1978).

Munk and Revelle (1952) created a method entirely independent of sea-level measurements. It is based on variations in the speed of the Earth's rotation and the tilting of its axis of instantaneous rotation. They concluded that their results were not inconsistent with the then accepted value of 1.0 mm per year for the eustatic rise.

B. Vertical Land Movement

The vertical land movement component can be determined at a station location by subtracting (algebraically) the eustatic component from the observed relative sea-level series or trend value. The vertical land movement component is, of course, dependent on the accuracy of the eustatic component determination. In practice, regional studies of relative subsidence or emergence are usually undertaken using the best eustatic rate available for anchoring. Wolcott (1972) and Hicks (1972) used this method for the east coast. The results of the latter show the absolute subsidence rate increasing linearly from 0 to 2.14 mm per year from southern Maine to Hampton Roads. Holdahl and Morrison (1974) were particularly successful in using this basic method in conjunction with precise terrestrial relevelings. They concentrated their study on the gulf coast and Chesapeake Bay. Other regional studies have been made by Fairbridge and Newman (1968), who employed precise terrestrial relevelings, radiocarbon dating, and stratigraphic and archeological evidence in addition to tide-gage series. Their area extended from Chesapeake Bay to Nova Scotia. An example of marked land emergence due to rebound from deglaciation was given by Hicks and Shofnos (1965a) for Glacier Bay, Alaska.

C. Coastal Processes

A relative rise in sea level does not cause beach erosion, per se, simply because it doesn't possess any significant kinetic energy in contrast with surf, longshore currents, et cetera. However, rising sea level (relative to the land) is probably the most important single element contributing to the erosion process. The causitive-permissive relationship is best summarized by Rosen (1978) in his quantitative study of the effects of sea level on shoreline erosion. The position paper

by Pilkey et al. (1981) has emphasized this large and frequently overlooked sea-level factor in unequivocal terms.

As stated in the introduction, no attempt has been made to provide complete references. However, the reader is encouraged to consult the following papers as a sample of some of the significant literature: Bruun (1962), Hands (1980), Leatherman (1979, 1981), Meisburger et al. (1980), Pilkey et al. (1980), and Schwartz (1965, 1967).

With any rise in water level, the shoreline moves inland an amount equal to the product of the rise and the cotangent of the angle of land slope. Obviously, the inland movement is small on relatively steep rocky coasts and large on relatively flat deltaic coasts, salt marshes, mangrove swamps, et cetera. The slope on an exposed beach is somewhat deceiving. The water does not ride up the slopes of the various features making up the beach profile. The water rides on an "effective" slope (not necessarily linear) through these beach features at some lower angle. A representative value for shore retreat is 40 to 1 (Hands, 1979). The beach features themselves are in equilibrium (or trying to get into equilibrium) with the prevailing dynamic forces and, under ideal conditions, would also migrate inland along this effective slope with the redistribution of shore material.

As previously mentioned, the entire spectrum of water-level changes includes such oscillations as annual variability, seasonal change, tidal cycle, storm surge, wind setup, et cetera. The oscillations vary in magnitude and time, whether periodic or not. With any incremental increase in water level, the dynamic forces (variable themselves) will try to reestablish the shore in equilibrium. The success will be a function of the magnitude of the dynamic forces, the shore material, and the length of time the water is at this new elevation. Now the importance of the secular rise in relative sea level is simply that it is very slow, thus allowing the dynamic forces time to establish their new equilibrium progressively landward (Hands, 1976).

The process is far more complicated when considering the many additional factors such as: longshore transport, that it is not a closed source system, and man's intervention. The simplification is only intended to help isolate the importance of the sea-level factor.

D. Charting

The soundings and depth curves on nautical charts and bathymetric maps must have numerical values below some reference base. Likewise, the heights of structures, bridge clearances, et cetera, must have a value above some reference base. The logical choice for the base is the ocean surface. But, since the ocean (and land) surface moves up and down in random, periodic, and secular motions, as described before, it must be stopped in its vertical movement to be useful; that is, it must be mathematically fixed by man in order to become a suitable reference base.

The result of mathematically fixing the ocean surface in terms of an observed tidal phenomenon is called a tidal datum. Chart datum, the reference base for soundings and depth contours, is the tidal datum of mean lower low water. The reference base for structure heights, bridge clearances, et cetera, is the tidal datum of mean high water. Mean lower low water is the average of the lowest low-water height of each tidal day observed over the National Tidal Datum Epoch. Mean high water is the average of all the high-water heights observed over the National Tidal Datum Epoch.

The National Tidal Datum Epoch is the particular 19-year series over which the phases (such as lower low water) are averaged. It is used because: (1) it encompasses all significant tidal periods (including the 18.6-year period for the regression of the Moon's nodes); (2) it is a long enough series to average out practically all of the meteorological, hydrological, and oceanographic variability; and (3) by specifying which 19 years are to be used, comparability among stations and stability over decades are achieved.

Although these definitions almost fix the ocean surface, the insidious relative apparent secular sea-level changes remain. The specific 19-year average dampens the changes, fixes an elevation at middate, and takes care of the nonlinearity for uniformity throughout and among all charts and maps.

As the years progress, however, any new 19-year average will have a different value. Eventually, relative apparent secular sea-level changes will make the value for the particular specified years of the Epoch unrealistic for navigational purposes. When this occurs (usually every two or three decades), a new Epoch must be

considered. The National Ocean Service is presently updating the National Tidal Datum Epoch from 1941 through 1959, to 1960 through 1978.

E. Coastal and Marine Boundaries

Coastal and marine boundaries are those associated with the line where the ocean surface meets the land. Since the ocean (and land) moves up and down in both periodic and secular motions, the location of this line moves up the beach landward and down the beach seaward as a function of time. Furthermore, the beach at the ocean surface moves horizontally both landward and seaward by the processes of erosion and accretion, respectively. If the line is to be used as a boundary (or the source of a boundary), it should be stopped from these horizontal movements; that is, it should be mathematically fixed by man. It follows that to fix the line in its landward-seaward movement, the up-down motion of the water and the erosion-accretion movement must likewise be mathematically fixed.

The up-down motion is fixed by the use of tidal datums, as described in the previous section. Unfortunately, the erosion-accretion part of the movement cannot be stopped and, therefore, the line cannot be permanently fixed. The line, logically, takes on the name of its associated datum, such as mean lower low water line or mean high water line.

There are several coastal and marine boundaries. The mean high water line is a coastal boundary between state and private lands in most coastal states, for example. The apparent mean high water line is also the shoreline on nautical charts of the National Ocean Service. Points on the mean lower low water line are used to construct segments to form a baseline from which marine boundaries are constructed offshore.

As in the case of soundings and elevations on nautical charts and bathymetric maps, relative apparent secular sea-level changes eventually make the value for the particular specified years of the National Tidal Datum Epoch unrealistic for coastal and marine boundary accuracy. Continuous monitoring of relative apparent secular sea level is thus required to evaluate the necessity of possible Epoch revision.

III. DATA AND SERIES

Yearly mean sea level is the arithmetic mean of a calendar year of hourly heights. The hourly heights were either scaled directly from a marigram or obtained from a digital output of an analog tide gage at each tide station. The tide gage, usually located on a pier, continuously measures sea-level heights relative to the land adjacent to the station location. The gage is connected to bench marks on the adjacent land by precise second-order class I leveling. The bench marks are located in bedrock whenever possible.

Table 1 lists the 67 permanent tide stations used in this study by number, name, and location (latitude and longitude). They are all operated by the National Ocean Service. Of the 67 stations, 44 were in operation prior to 1940 and have very few and short breaks in their measurement series. San Francisco dates from 1855 (Smith, 1980), and New York, Fernandina, and Seattle date from 1893, 1898, and 1899, respectively. Table 2 lists the 44 station locations and the first complete year of each series. Where the length of a break in a series is sufficient to invalidate a yearly mean, the missing year is so listed.

IV. TRENDS AND VARIABILITY

Table 3 gives the relative apparent secular trend, its standard error, and variability for the entire length of the series at each station. Apparent secular trend is represented by the slope of a least-squares line of regression through the yearly means. About two-thirds of repeated calculations of the apparent secular trend will differ from the true apparent secular trend by less than the standard error of trend. About 95 percent of repeated calculations of the apparent secular trend will differ by less than two times the standard error of trend, and practically all repeated calculations will differ by less than three times the standard error of trend.

Variability is represented by the standard error of estimate, which is the standard deviation from the line of regression. About two-thirds of the yearly mean sea-level values will differ from the straight line of regression by less than the variability (standard error of estimate). About 95 percent of the yearly mean

sea-level values will differ from the line by less than two times the variability, and practically all the values will differ by less than three times the variability.

Table 4 gives the same statistical values for the common series 1940 through 1980. The date 1940 was chosen in order to give as long a series as possible that would be common to all stations and, at the same time, include a sufficient number of stations for a representative coverage of the coast. The formulas used to compute the values in tables 3, 4, and 6 are given in appendix C. Table 3 should be used for the best values at each station; table 4, for comparing stations.

V. AREA MEANS

The coastline of the United States was divided into five areas. Southeast Alaska and Hawaii were not included in this area study. This division was based on a subjective balance between series coherence (Hicks and Shofnos, 1965b), equal coastal lengths, and Gutenberg's (1941) concept of geologic regions. The areas, together with their inclusive stations, are listed in table 5. Although Sandy Hook, New Jersey, and Galveston, Texas, have continuous series dating long before 1940, they were not used because they are undergoing anomalous localized subsidence as determined independently by terrestrial leveling. This is not to say that the other stations are not undergoing subsidence; only that Galveston differs greatly from the gulf area pattern due to its subsidence.

For each year, the yearly mean sea-level values at all stations in an area were averaged for that year. An average series was thus obtained for every one of the five areas. The resulting graphs, with straight lines connecting the averaged yearly points, are shown in figures 5 through 9. The curve (dotted) is the result of a seven-point triangular weighting array (1,2,3,4,3,2,1) applied to the averaged yearly points on the graph. The response of the array (figure 3) attenuates, by more than 90 percent, the amplitudes of all the meteorological and oceanographic oscillations with periods less than 5 1/3 years (Hicks and Shofnos, 1965b).

For each year, the average area values for all five areas were averaged for that year. The resulting composite graph, with damping array applied, is shown in figure 10. The area and national trends, standard errors, and variability are given in table 6.

The ordinates of figures 5 through 9 are scaled to accommodate the numerical means of the stations in each area. Since heights at each station are referenced, independently, to the primary tidal bench mark at that station, the numerical values, per se, on the ordinate are not comparable between figures. The numerical values on the ordinate of the U.S. mean (figure 10) are, therefore, also arbitrary.

VI. STATION GRAPHS AND DATA VALUES

Two graphs for each of the 67 tide stations are given in appendix A. The first graph shows the series average of monthly mean sea level (dotted) and a superimposed curve (solid) of the most recent year of monthly mean sea levels. The second graph is yearly mean sea level against time. The values are connected by straight lines.

All monthly and yearly mean sea-level data from the 67 stations are listed in appendix B. The numerical values in both appendices are referenced to the primary tidal bench mark at each station location. Therefore, the numbers are <u>not</u> comparable between stations without normalization. The year-to-year <u>differences</u> at one station can be compared with the year-to-year differences at another, however (neglecting geopotential differences).

TABLE 1

STATION NUMBERS, NAMES, AND LOCATIONS

Station Number	Station Name	Latitude	Longitude
8410140	Eastport, ME	44°54.2'N	66°59.1'W
8418150	Portland, ME	43°39.4'N	70°14.8'W
8419870	Seavey Is., ME (Portsmouth, NH)	43°04.9'N	70°44.7'W
8443970	Boston, MA	42°21.3'N	71°03.0'W
8447930	Woods Hole, MA	41°31.5'N	70°40.4'W
8452660	Newport, RI	41°30.3'N	71°19.6'W
8454000	Providence, RI	41°48.4'N	71°24.1'W
8461490	New London, CT	41°21.5'N	72°05.5'W
8467150	Bridgeport, CT	41°10.4'N	73°10.9'W
8510560	Montauk, NY	41°02.9'N	71°57.6'W
8516990	Willets Point, NY	40°47.6'N	73°46.9'W
8518750	New York (The Battery), NY	40°42.0'N	74°05.5'W
8531680	Sandy Hook, NJ	40°28.0'N	74°00.1'W
8534720	Atlantic City, NJ	39°21.3'N	74°25.1'W
8545530	Philadelphia, PA	39°57.1'N	75°08.4'W
8557380	Lewes, DE	38°46.9'N	75°07.2'W
8574680	Baltimore, MD	39°16.0'N	76°34.7'W
8575512	Annapolis, MD	38°59.0'N	76°28.8'W
8577330	Solomons Island, MD	38°19.0'N	76°27.2'W
8594900	Washington, DC	38°52.5'N	77°01.4'W
8632200	Kiptopeke, VA	37°10.0'N	75°59.3'W
8638610	Hampton Roads (Norfolk), VA	36°56.8'N	76°19.9'W
8638660	Portsmouth, VA	36°49.1'N	76°17.6'W
8658120	Wilmington, NC	34°13.6'N	77°57.2'W
8665530	Charleston, SC	32°46.9'N	79°55.5'W
8670870	Fort Pulaski (Savannah), GA	32°02.0'N	80°54.1'W
8720030	Fernandina Beach, FL	30°40.3'N	81°28.0'W
8720220	Mayport, FL	30°23.6'N	81°25.9'W
8723170	Miami Beach, FL	25°46.1'N	80°07.9'W
8724580	Key West, FL	24°33.2'N	81°48.5'W

Table 1, continued

Station Number	Station Name	Latitude	Longitude
8726520	St. Petersburg, FL	27°46.4'N	82°37.3'W
8727520	Cedar Key, FL	29°08.1'N	83°01.9'W
8729840	Pensacola, FL	30°24.2'N	87°12.8'W
8761720	Grand Isle, LA	26°16.5'N	89°57.5'W
8764311	Eugene Island, LA	29°22.3'N	91°23.1'W
8770590	Sabine Pass, TX	29°42.3'N	93°51.2'W
8771450	Galveston (Pier 21), TX	29°18.8'N	94°47.2'W
8772440	Freeport Harbor, TX	28°56.8'N	95°18.5'W
8774770	Rockport, TX	28°01.3'N	97°02.8'W
8779770	Port Isabel, TX	26°03.6'N	97°12.9'W
2695535	St. Georges, Bermuda	32°22.2'N	64°41.8'W
9410170	San Diego, CA	32°42.9'N	117°10.4'W
9410230	La Jolla, CA	32°52.0'N	117°15.4'W
9410660	Los Angeles (Berth 60), CA	33°43.2'N	118°16.3'W
9414290	San Francisco, CA	37°48.4'N	122°27.9'W
9414750	Alameda, CA	37°46.3'N	122°17.9'W
9419750	Cresent City, CA	41°44.7'N	124°11.0'W
9439040	Astoria, OR	46°12.5'N	123°46.0'W
9443090	Neah Bay, WA	48°22.1'N	124°37.0'W
9447130	Seattle, WA	47°36.2'N	122°20.2'W
9449880	Friday Harbor, WA	48°32.7'N	123°00.7'W
9450460	Ketchikan, AK	55°20.0'N	131°37.5'W
9451600	Sitka, AK	57°03.1'N	135°20.5'W
9452210	Juneau, AK	58°17.9'N	134°24.7'W
9452400	Skagway, AK	59°27.0'N	135°19.5'W
9453220	Yakutat Bay, AK	59°32.8'N	139°44.1'W
9455500	Seldovia, AK	59°26.4'N	151°43.0'W
9461380	Adak, AK	51°51.5'N	176°38.1'W
9462620	Unalaska Is., AK	53°52.8'N	166°32.3'W
1612340	Honolulu, HI	21°18.4'N	151°52.0'W
1619000	Johnston Island	16°44.4'N	169°31.8'W

Table 1, continued

Station Number	Station Name	Latitude	Longitude
1619910	Sand Is., Midway	28°12.7'N	177°21.6'W
1630000	Apra Harbor, Guam	13°26.5'N	144°39.2'E
1770000	Pago Pago, American Samoa	14°16.7'S	170°40.9'W
1820000	Kwajalein, Marshall Islands	08°44.2'N	167°44.3'E
1840000	Truk Atoll, E. Carolines	07°26.8'N	151°50.7'E
1890000	Wake Island	19°17.4'N	166°37.8'E

TABLE 2
TRENDS AND VARIABILITY
STATION LIST

Station Number	Station Name	Date of First Full Year of Series	Dates of Missing Data
8410140	Eastport, ME	1930	1957, 58, 76-78, 80
8418150	Portland, ME	1912	
8419870	Seavey Is., ME [a]	1927	1935-39, 73, 78
8443970	Boston, MA	1922	
8447930	Woods Hole, MA	1933	1965, 67-69
8452660	Newport, RI	1931	
8454000	Providence, RI	1939	1947-56, 67
8461490	New London, CT	1939	1978-80
8516990	Willets Point, NY	1932	
8518750	New York, NY [b]	1893	
8531680	Sandy Hook, NJ	1933	
8534720	Atlantic City, NJ	1912	1921, 22, 70, 71, 79
8545530	Philadelphia, PA	1901	1921, 22, 59, 60
8557380	Lewes, DE	1921	1923-36, 40-47, 50-52, 80
8574680	Baltimore, MD	1903	
8575512	Annapolis, MD	1929	1976
8577330	Solomons Island, MD	1938	
8594900	Washington, DC	1932	1980
8638610	Hampton Roads, VA [c]	1928	
8638660	Portsmouth, VA	1936	
8665530	Charleston, SC	1922	
8670870	Fort Pulaski, GA [d]	1936	

[a] 1927-1968, Portsmouth Navy Yard, NH; 1969-1972, Back Channel, ME; 1973-1980, Seavey Island (Berth 2), ME.

[b] 1893-1920, Ft. Hamilton; 1921-1980, The Battery.

[c] Norfolk, VA.

[d] Savannah, GA.

Table 2, continued

Station Number	Station Name	Date of First Full Year of Series	Dates of Missing Data
8720030	Fernandina, FL	1898	1924-38
8720220	Mayport, FL	1929	
8723170	Miami Beach, FL	1932	1979
8724580	Key West, FL	1913	
8727520	Cedar Key, FL	1915	1926-38
8729840	Pensacola, FL	1924	
8771450	Galveston, TX [e]	1909	1979
9410170	San Diego, CA	1906	
9410230	La Jolla, CA	1925	1954, 55, 78, 79
9410660	Los Angeles, CA [f]	1924	1979
9414290	San Francisco, CA [g]	1855	
9414750	Alameda, CA	1940	
9419750	Crescent City, CA	1933	
9439040	Astoria, OR	1925	
9443090	Neah Bay, WA	1935	
9447130	Seattle, WA	1899	
9449880	Friday Harbor, WA	1934	
9450460	Ketchikan, AK	1919	
9451600	Sitka, AK	1938	
9452210	Juneau, AK	1936	
9453220	Yakutat, AK	1940	
1612340	Honolulu, HI	1905	

[e] Pier 21.

[f] Berth 60.

[g] 1855-1877, Fort Pt.; 1877-1897, Sausalito (two locations); 1897-1980, The Presidio (two locations).

TABLE 3

TRENDS AND VARIABILITY

ENTIRE SERIES

Station Number	Trend		Standard Error of Trend		Variability [a]	
	mm/yr	ft/yr	±mm/yr	±ft/yr	±mm	±ft
8410140	3.1	.010	.3	.0009	26.2	.086
8418150	2.3	.008	.2	.0006	29.2	.096
8419870	2.0	.006	.2	.0007	24.2	.079
8443970	2.3	.008	.2	.0007	28.1	.092
8447930	2.7	.009	.2	.0008	23.1	.076
8452660	2.6	.008	.2	.0007	23.1	.076
8454000	1.8	.006	.4	.0012	25.7	.084
8461490	2.2	.007	.3	.0011	23.5	.077
8516990	2.2	.007	.4	.0014	42.9	.141
8518750	2.8	.009	.1	.0004	28.0	.092
8531680	4.2	.014	.3	.0010	28.4	.093
8534720	4.0	.013	.2	.0006	30.7	.101
8545530	2.6	.009	.2	.0006	39.5	.129
8557380	3.0	.010	.4	.0015	37.9	.124
8574680	3.2	.011	.1	.0005	27.7	.091
8575512	3.7	.012	.3	.0009	28.1	.092
8577330	3.3	.011	.3	.0011	28.1	.092
8594900	3.0	.010	.4	.0012	35.8	.117
8638610	4.3	.014	.3	.0010	32.6	.107
8638660	3.6	.012	.3	.0011	29.5	.097
8665530	3.4	.011	.3	.0009	35.6	.117
8670870	2.7	.009	.4	.0012	33.2	.109
8720030	1.7	.006	.4	.0014	34.7	.114
8720220	2.3	.007	.3	.0011	34.9	.115
8723170	2.3	.008	.2	.0008	23.8	.078
8724580	2.2	.007	.2	.0005	25.9	.085

[a] Standard Error of Estimate.

Table 3, continued

Station Number	Trend mm/yr	Trend ft/yr	Standard Error of Trend ±mm/yr	Standard Error of Trend ±ft/yr	Variability [a] ±mm	Variability [a] ±ft
8727520	2.0	.006	.2	.0007	30.2	.099
8729840	2.4	.008	.3	.0010	37.2	.122
8771450	6.3	.021	.3	.0009	48.2	.158
9410170	1.9	.006	.1	.0004	25.2	.083
9410230	1.7	.006	.2	.0007	26.4	.087
9410660	0.6	.002	.2	.0007	26.5	.087
9414290	1.2	.004	.1	.0003	39.8	.131
9414750	0.1	.000	.5	.0015	34.6	.114
9419750	-0.9	-.003	.3	.0010	30.0	.099
9439040	-0.5	-.002	.3	.0011	41.0	.134
9443090	-1.3	-.004	.3	.0011	29.4	.096
9447130	1.9	.006	.1	.0005	29.6	.097
9449880	0.9	.002	.3	.0010	28.3	.093
9450460	-0.1	-.0005	.2	.0008	34.8	.114
9451600	-2.4	-.008	.3	.0011	28.2	.093
9452210	-12.9	-.042	.4	.0014	36.8	.121
9453220	-4.6	-.015	.4	.0015	33.6	.110
1612340	1.6	.005	.2	.0006	35.0	.115

[a] Standard Error of Estimate.

TABLE 4

TRENDS AND VARIABILITY

1940 THROUGH 1980

Station Number	Trend		Standard Error of Trend		Variability [a]	
	mm/yr	ft/yr	±mm/yr	±ft/yr	±mm	±ft
8410140	3.2	.010	.4	.0014	28.6	.094
8418150	2.3	.008	.4	.0013	29.7	.098
8419870	1.3	.004	.3	.0010	22.6	.074
8443970	0.9	.003	.3	.0010	23.5	.077
8447930	2.3	.008	.3	.0010	22.0	.072
8452660	2.0	.007	.3	.0010	22.1	.073
8454000	1.8	.005	.4	.0013	26.1	.086
8461490	2.2	.007	.3	.0011	23.7	.078
8516990	1.6	.005	.6	.0019	44.5	.146
8518750	2.5	.008	.3	.0011	25.3	.083
8531680	4.0	.013	.4	.0013	29.3	.096
8534720	3.9	.013	.4	.0014	32.3	.106
8545530	2.3	.007	.5	.0018	41.3	.135
8557380	2.0	.006	.8	.0027	39.1	.128
8574680	2.5	.008	.4	.0012	28.0	.092
8575512	3.0	.010	.4	.0012	26.9	.088
8577330	3.2	.011	.4	.0012	28.7	.094
8594900	2.8	.009	.5	.0016	37.1	.122
8638610	3.6	.012	.4	.0014	32.1	.105
8638660	3.6	.012	.4	.0013	30.7	.101
8665530	2.4	.008	.5	.0016	36.1	.118
8670870	2.5	.008	.4	.0015	33.8	.111
8720030	1.6	.005	.5	.0015	34.6	.114
8720220	1.5	.004	.5	.0015	34.7	.114
8723170	1.9	.006	.3	.0011	24.0	.079
8724580	1.6	.005	.4	.0012	27.2	.089

[a] Standard Error of Estimate.

Table 4, continued

Station Number	Trend mm/yr	Trend ft/yr	Standard Error of Trend ±mm/yr	Standard Error of Trend ±ft/yr	Variability [a] ±mm	Variability [a] ±ft
8727520	1.2	.004	.4	.0013	31.2	.102
8729840	1.6	.005	.5	.0016	37.1	.122
8771450	6.2	.020	.7	.0022	48.1	.158
9410170	1.6	.005	.4	.0012	27.5	.090
9410230	1.5	.005	.4	.0012	28.4	.093
9410660	-0.1	-.0002	.4	.0012	26.3	.086
9414290	1.5	.005	.4	.0014	33.2	.109
9414750	0.1	.0004	.5	.0015	34.6	.114
9419750	-1.6	-.005	.4	.0012	28.7	.094
9439040	-1.3	-.004	.5	.0017	38.8	.127
9443090	-1.8	-.006	.4	.0013	29.0	.095
9447130	2.1	.007	.4	.0012	27.2	.089
9449880	0.5	.002	.4	.0012	28.4	.093
9450460	-0.4	-.001	.5	.0017	38.6	.127
9451600	-2.4	-.008	.4	.0013	28.9	.095
9452210	-12.8	-.042	.5	.0017	38.3	.126
9453220	-4.6	-.015	.4	.0015	33.6	.110
1612340	0.7	.002	.4	.0013	30.7	.101

[a] Standard Error of Estimate.

TABLE 5

AREAS WITH INCLUSIVE STATIONS

Northern East Coast to Cape Hatteras

Portland, ME
Seavey Island, ME (Portsmouth, NH)
Boston, MA
Newport, RI
Willets Pt., NY
New York (The Battery), NY
Atlantic City, NJ
Baltimore, MD
Annapolis, MD
Solomons Island, MD
Washington, DC
Hampton Roads (Norfolk), VA
Portsmouth, VA

Southern East Coast

Charleston, SC
Ft. Pulaski (Savannah), GA
Fernandina, FL
Mayport, FL
Miami Beach, FL

Gulf Coast

Key West, FL
Cedar Key, FL
Pensacola, FL

Table 5, continued

Southern West Coast to Pt. Arena

San Diego, CA
La Jolla, CA
Los Angeles (Berth 60), CA
San Francisco, CA
Alameda, CA

Northern West Coast

Crescent City, CA
Astoria, OR
Neah Bay, WA
Seattle, WA
Friday Harbor, WA

TABLE 6

TRENDS AND VARIABILITY

AREA[a] AND U.S.[b] MEANS

1940 THROUGH 1980

Northern East Coast		
Trend	2.6 mm/yr	.009 ft/yr
Standard Error of Trend	± .3 mm/yr	±.0011 ft/yr
Variability[c]	±24.5 mm	±.080 ft
Southern East Coast		
Trend	1.9 mm/yr	.006 ft/yr
Standard Error of Trend	± .4 mm/yr	±.0013 ft/yr
Variability[c]	±31.1 mm	±.102 ft
Gulf Coast		
Trend	1.5 mm/yr	.005 ft/yr
Standard Error of Trend	± .4 mm/yr	±.0013 ft/yr
Variability[c]	±29.5 mm	±.097 ft
Southern West Coast		
Trend	1.0 mm/yr	.003 ft/yr
Standard Error of Trend	± .4 mm/yr	±.0012 ft/yr
Variability[c]	±27.2 mm	±.089 ft
Northern West Coast		
Trend	- .4 mm/yr	-.001 ft/yr
Standard Error of Trend	± .3 mm/yr	±.0011 ft/yr
Variability[c]	±25.9 mm	±.085 ft

[a] From area yearly mean sea level values rather than means of station trends, et cetera, in area.

[b] From means of area yearly mean sea level values rather than means of area trends, et cetera.

[c] Standard Error of Estimate.

Table 6, continued

United States		
Trend	1.3 mm/yr	.004 ft/yr
Standard Error of Trend	± .2 mm/yr	±.0007 ft/yr
Variability[c]	±16.2 mm	±.053 ft

[c] Standard Error of Estimate.

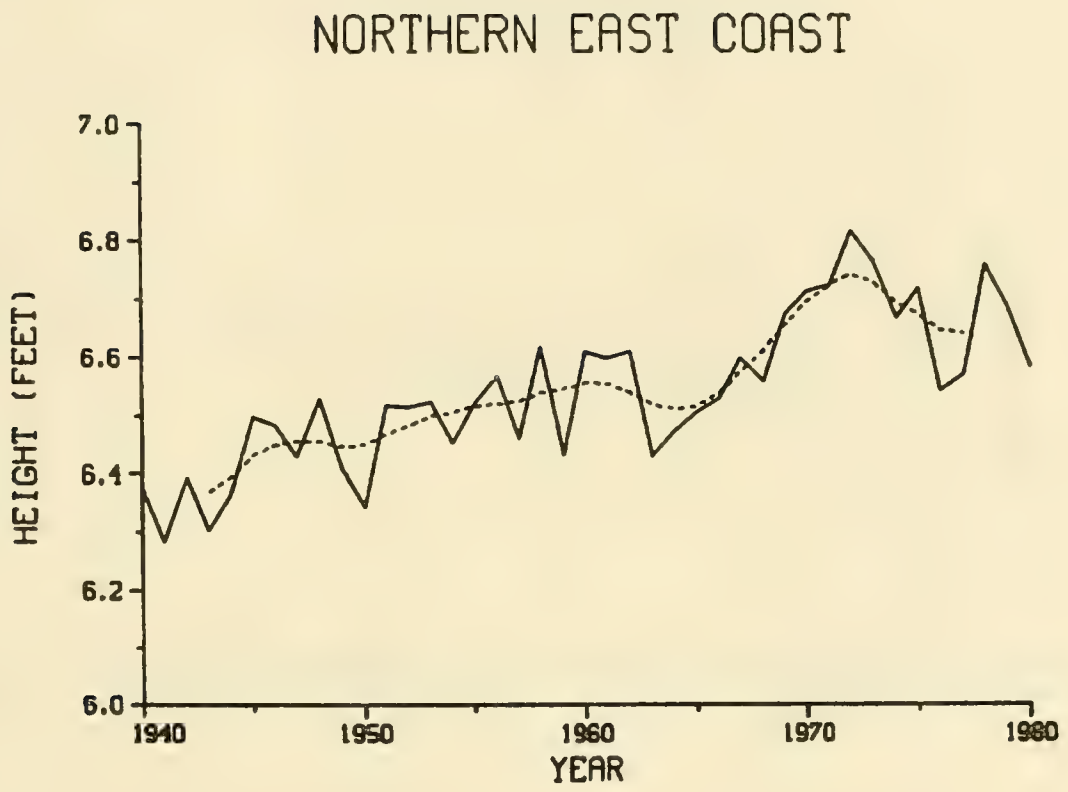

Figure 5. Northern east coast area mean with damping array.

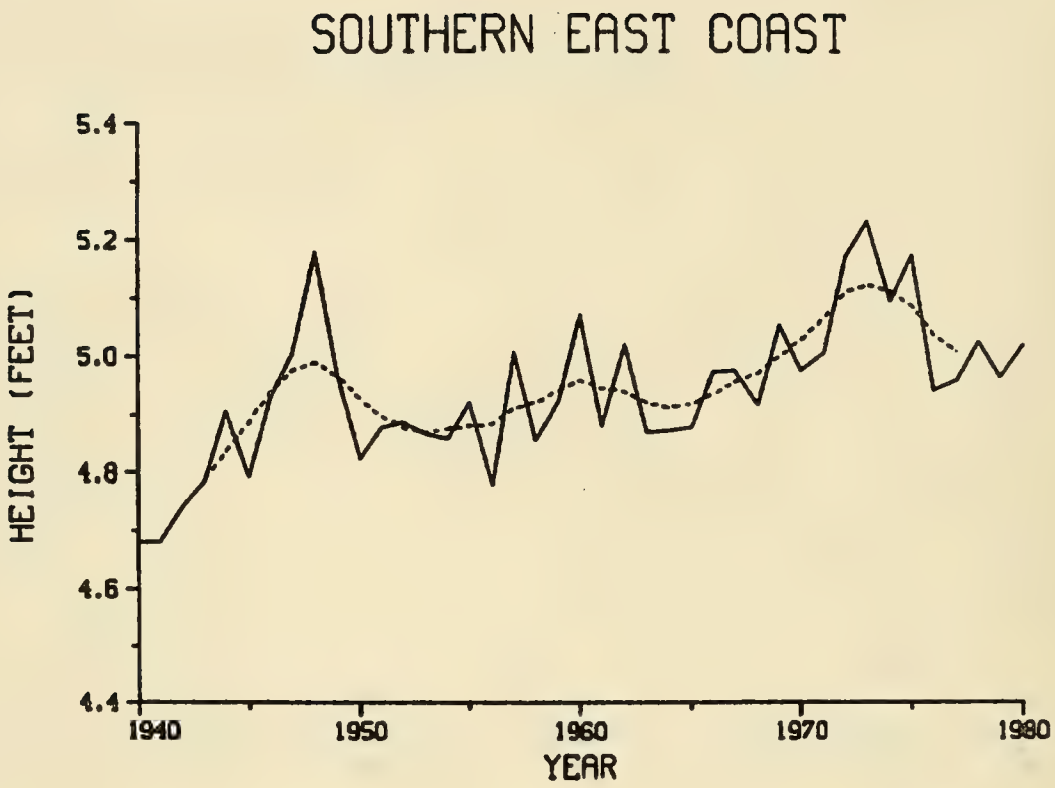

Figure 6. Southern east coast area mean with damping array.

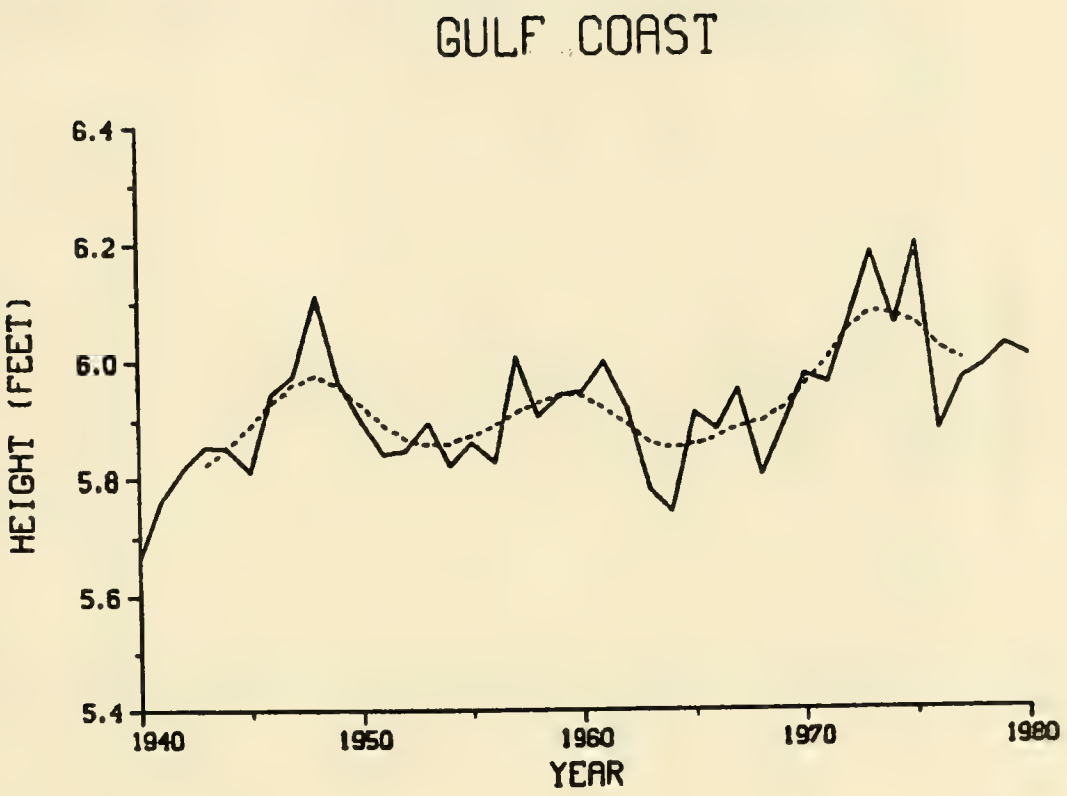

Figure 7. Gulf coast area mean with damping array.

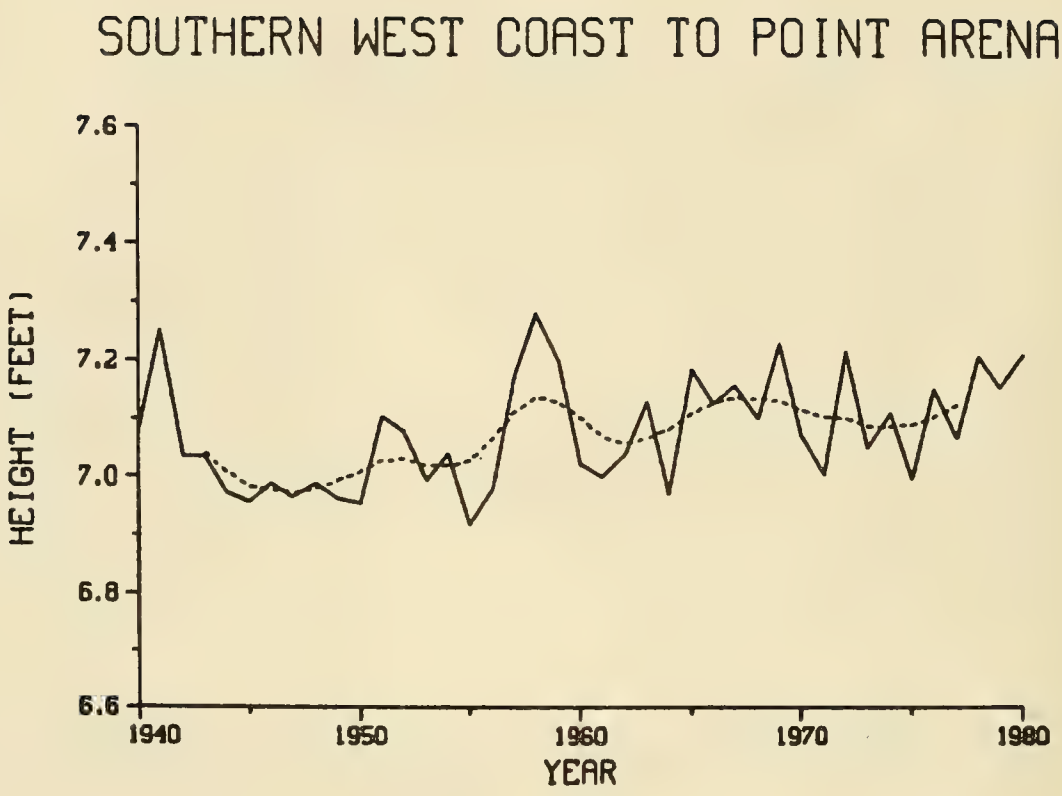

Figure 8. Southern west coast area mean with damping array.

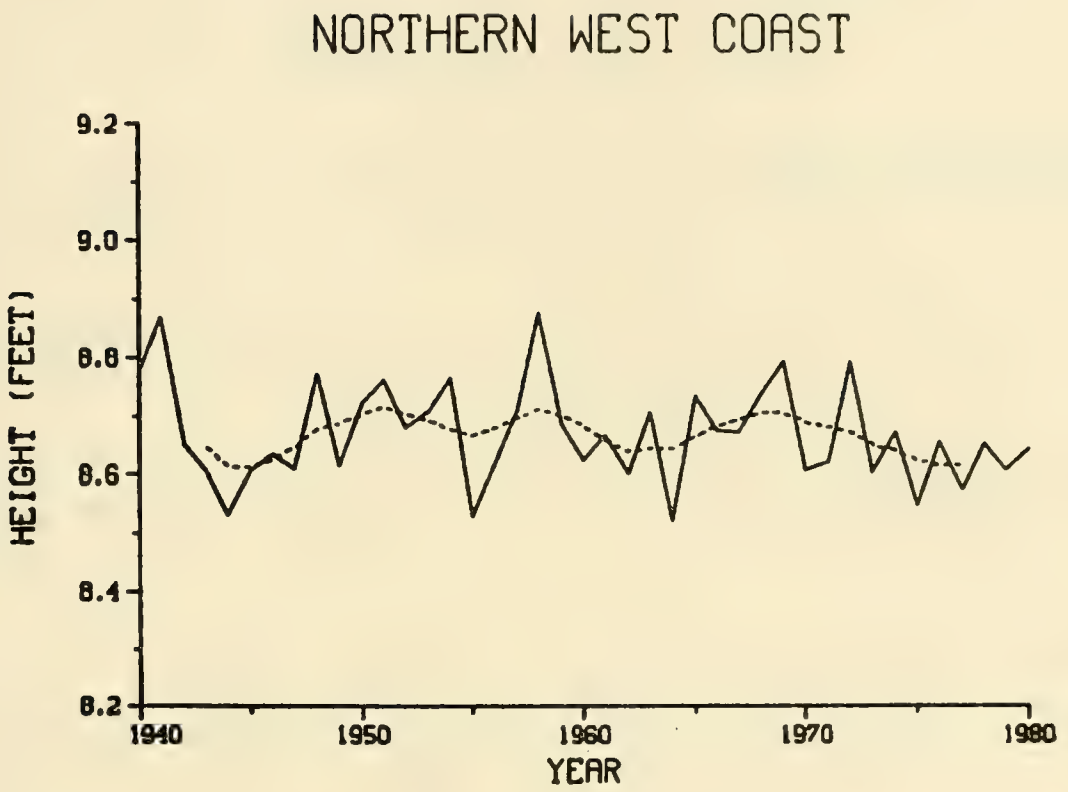

Figure 9. Northern west coast area mean with damping array.

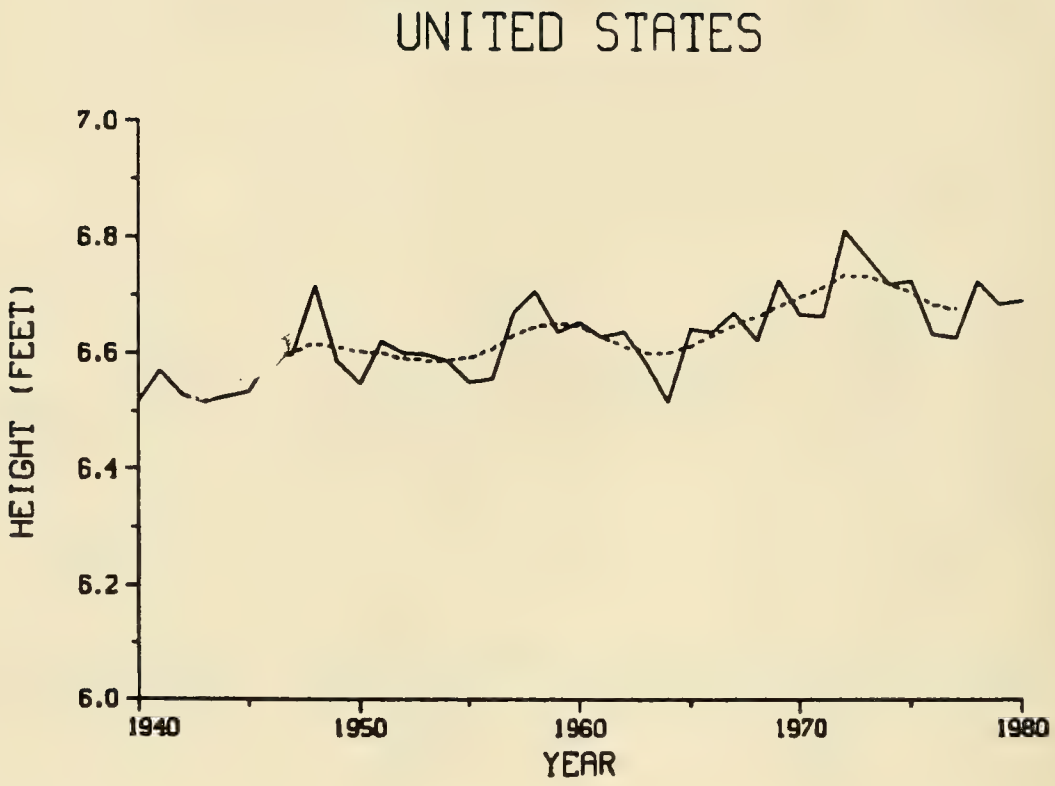

Figure 10. United States mean with damping array.

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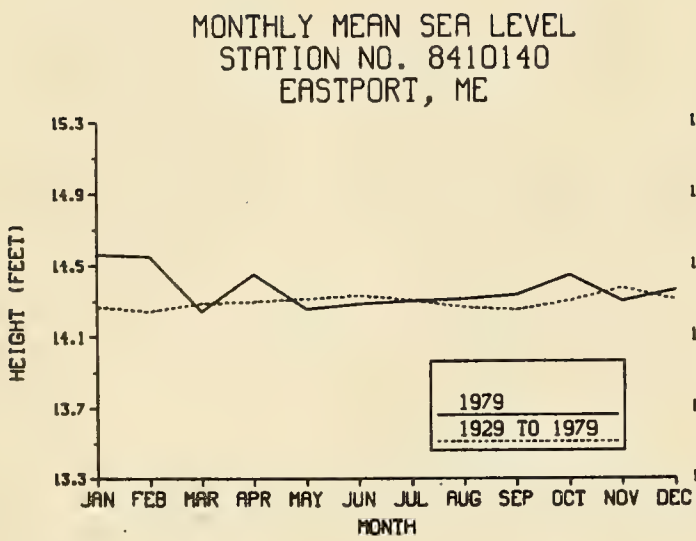
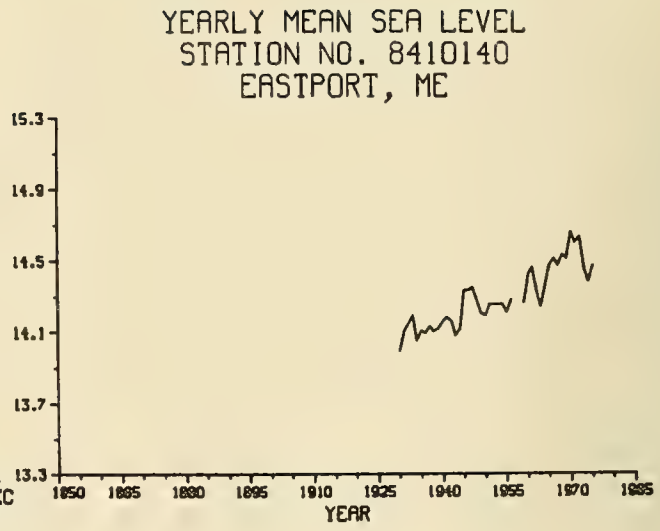
APPENDIX A.

PLOTS OF MONTHLY AND YEARLY MEAN SEA LEVEL


MONTHLY MEAN SEA LEVEL
STATION NO. 8410140
EASTPORT, ME
HEIGHT (FEET)
15.3
14.9
14.5
14.1
13.7
13.3
1979
1929 TO 1979
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8410140
EASTPORT, ME
15.3
14.9
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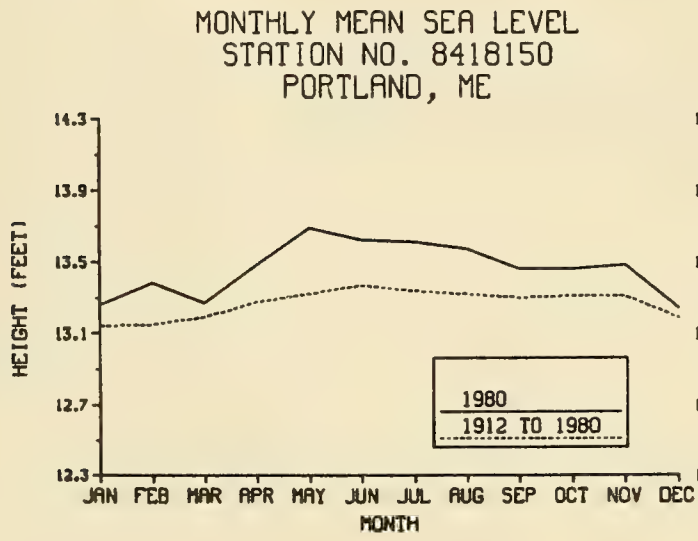
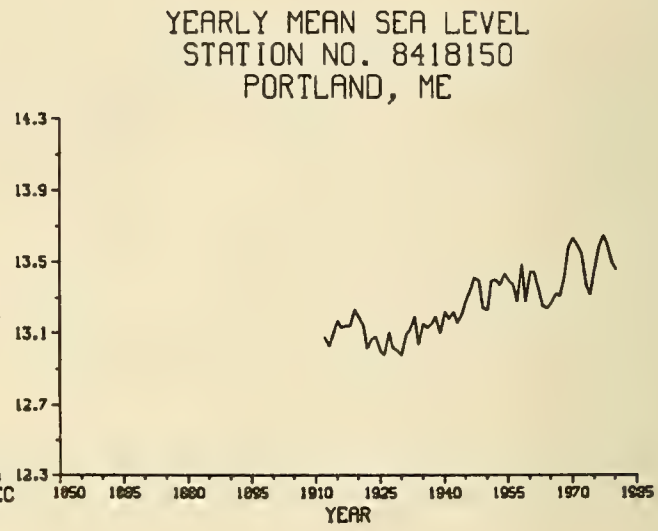
14.1
13.7
13.3
1850 1885 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8418150
PORTLAND, ME
HEIGHT (FEET)
14.3
13.9
13.5
13.1
12.7
12.3
1980
1912 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH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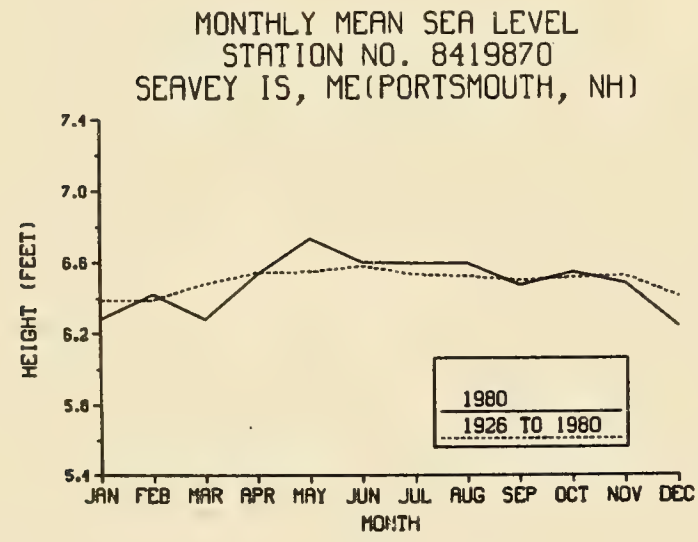
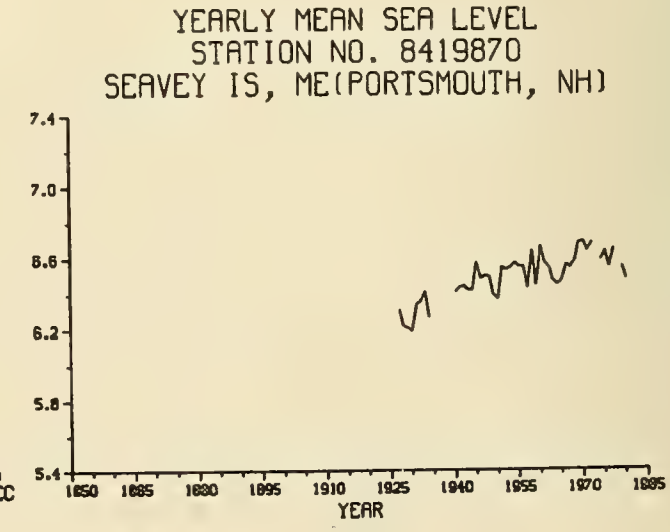
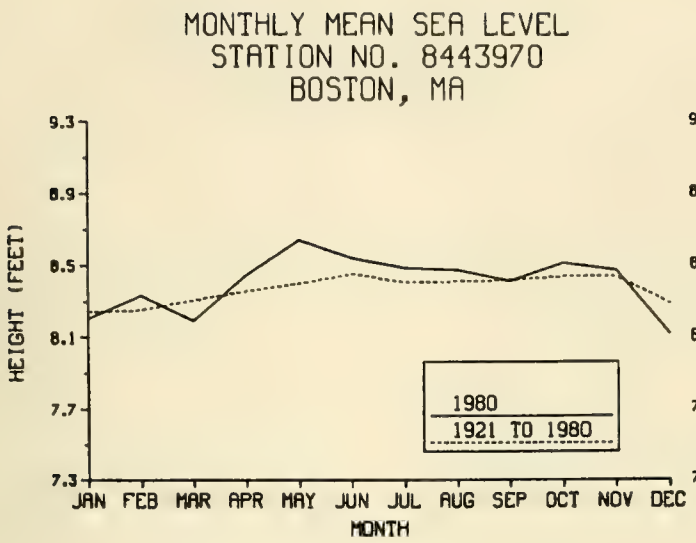
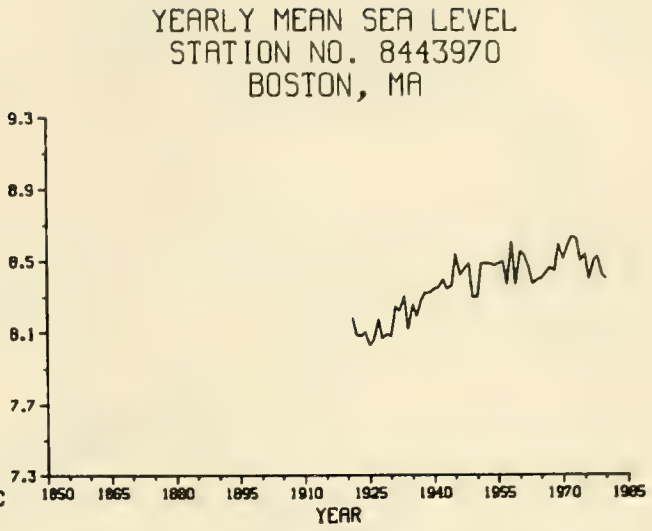
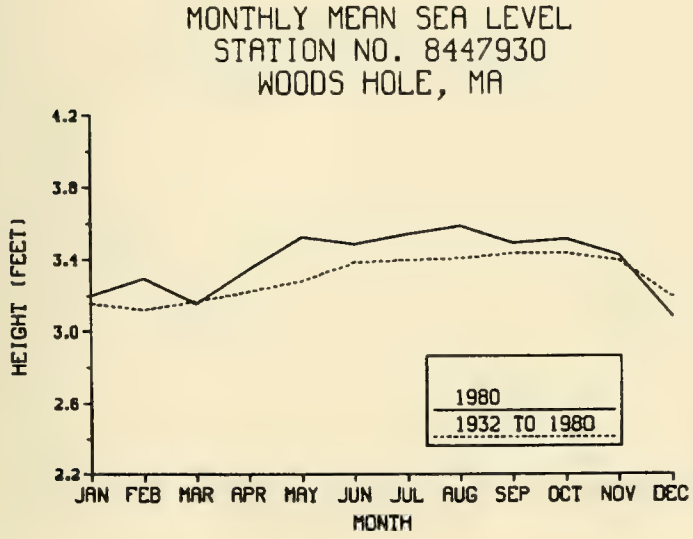
PORTLAND, ME
14.3
13.9
13.5
13.1
12.7
12.3
1850 1885 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

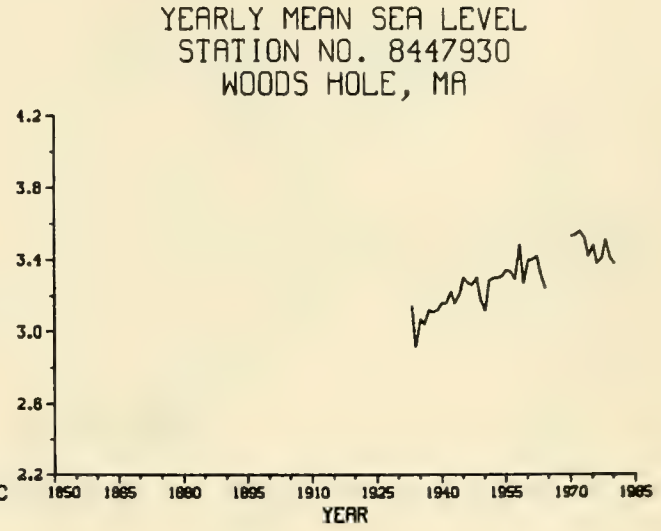

MONTHLY MEAN SEA LEVEL
STATION NO. 8419870
SEAVEY IS, ME(PORTSMOUTH, NH)
HEIGHT (FEET)
7.4
7.0
6.6
6.2
5.8
5.4
1980
1926 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

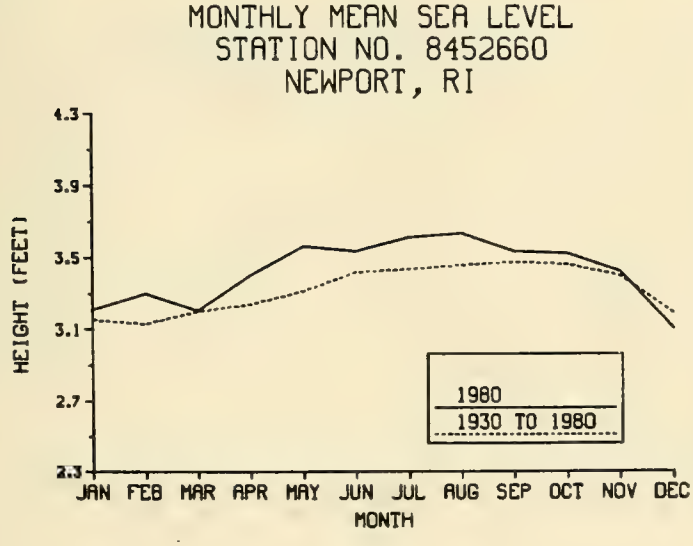

YEARLY MEAN SEA LEVEL
STATION NO. 8419870
SEAVEY IS, ME(PORTSMOUTH, NH)
7.4
7.0
6.6
6.2
5.8
5.4
1850 1885 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

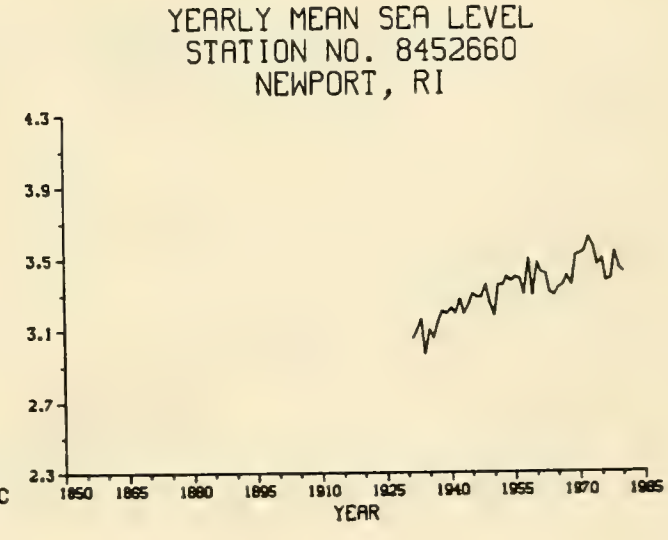

MONTHLY MEAN SEA LEVEL
STATION NO. 8443970
BOSTON, MA
HEIGHT (FEET)
9.3
8.9
8.5
8.1
7.7
7.3
1980
1921 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8443970
BOSTON, MA
9.3
8.9
8.5
8.1
7.7
7.3
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

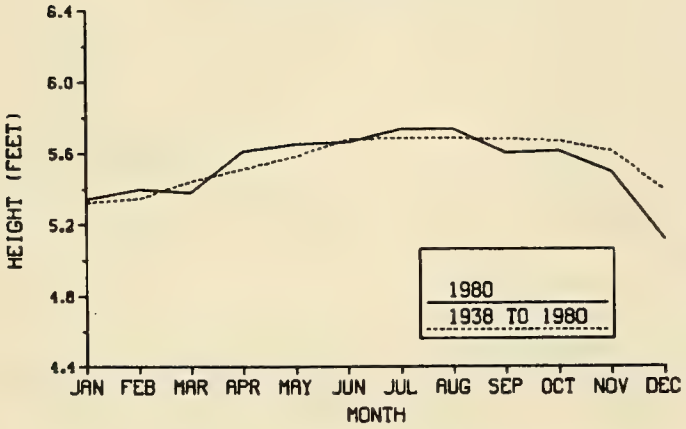

MONTHLY MEAN SEA LEVEL
STATION NO. 8447930
WOODS HOLE, MA
HEIGHT (FEET)
4.2
3.8
3.4
3.0
2.6
2.2
1980
1932 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8447930
WOODS HOLE, MA
4.2
3.8
3.4
3.0
2.6
2.2
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8452660
NEWPORT, RI
HEIGHT (FEET)
4.3
3.9
3.5
3.1
2.7
2.3
1980
1930 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8452660
NEWPORT, RI
4.3
3.9
3.5
3.1
2.7
2.3
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

MONTHLY MEAN SEA LEVEL
STATION NO. 8454000
PROVIDENCE, RI



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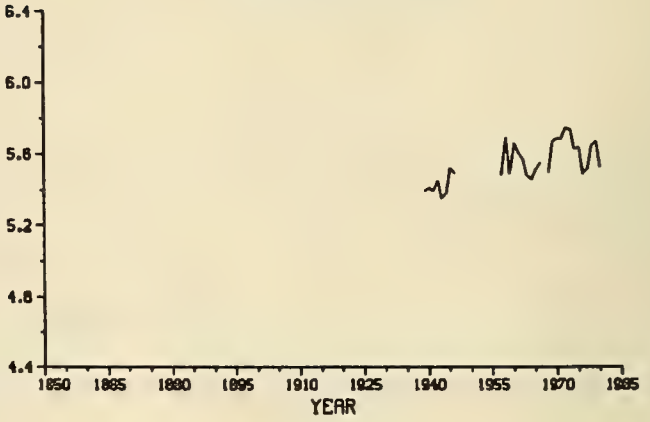
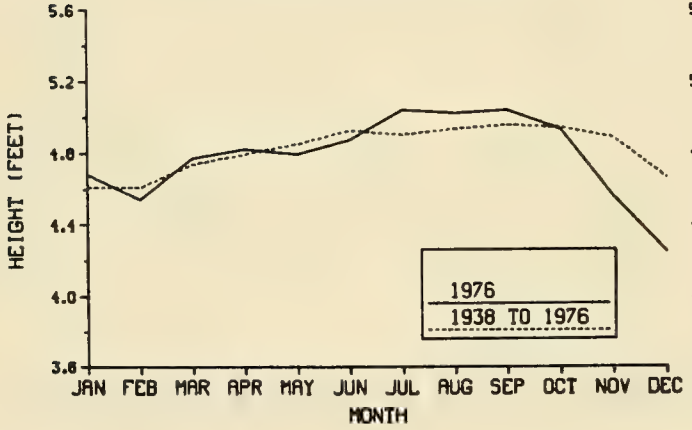
STATION NO. 8454000
PROVIDENCE, RI



MONTHLY MEAN SEA LEVEL
STATION NO. 8461490
NEW LONDON, CT



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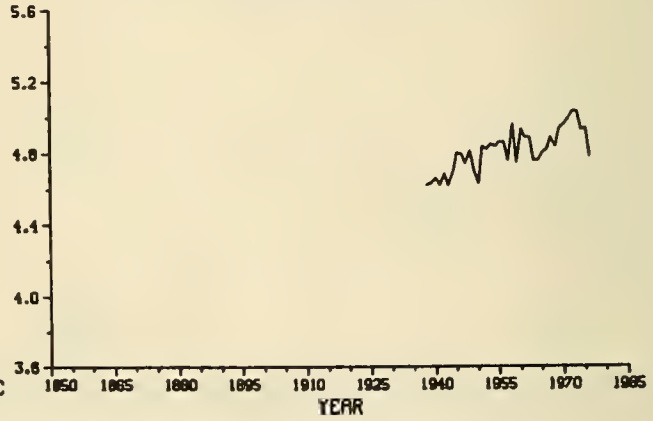
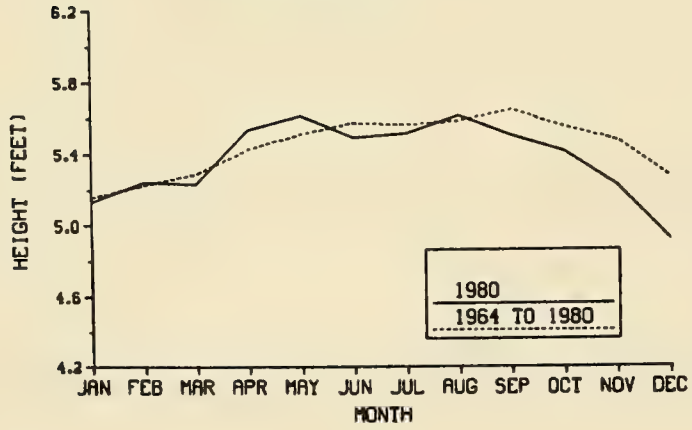
NEW LONDON, CT



MONTHLY MEAN SEA LEVEL
STATION NO. 8467150
BRIDGEPORT, CT



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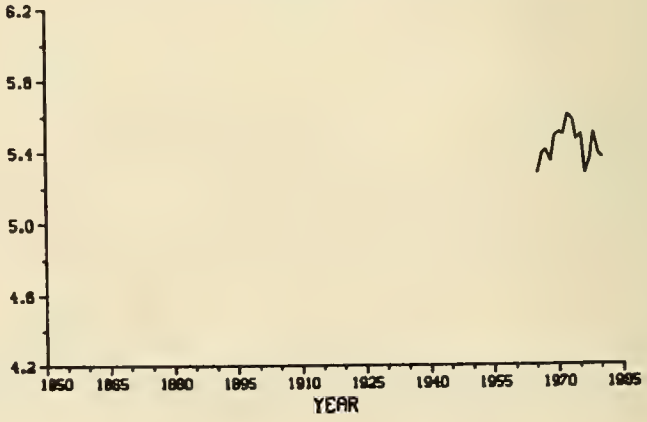
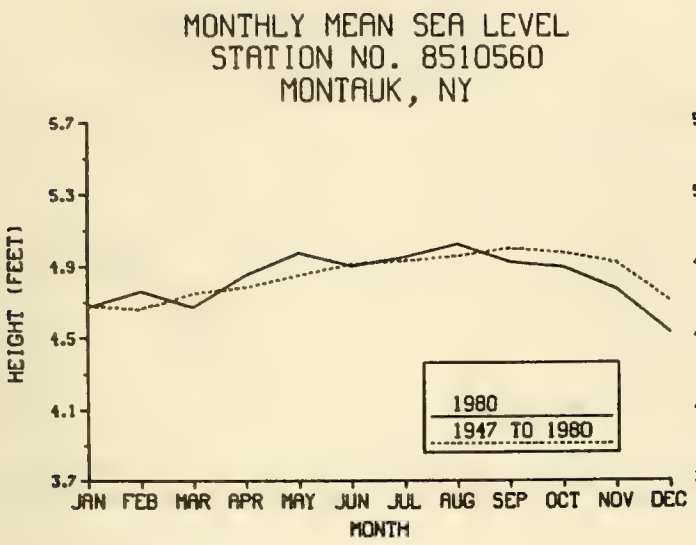
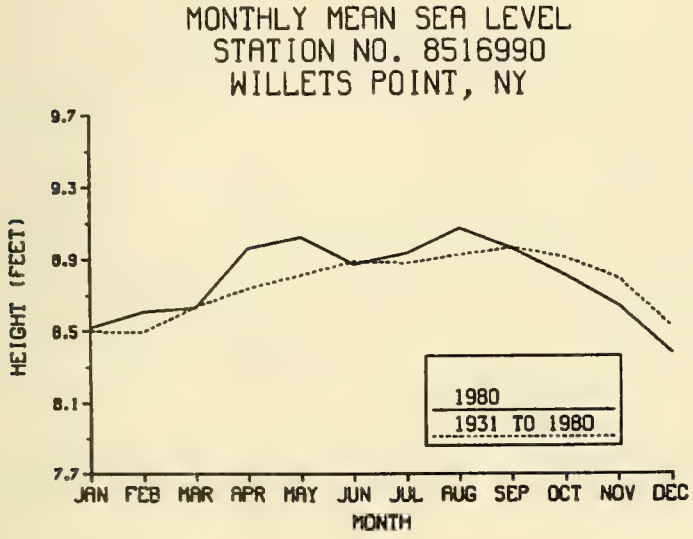
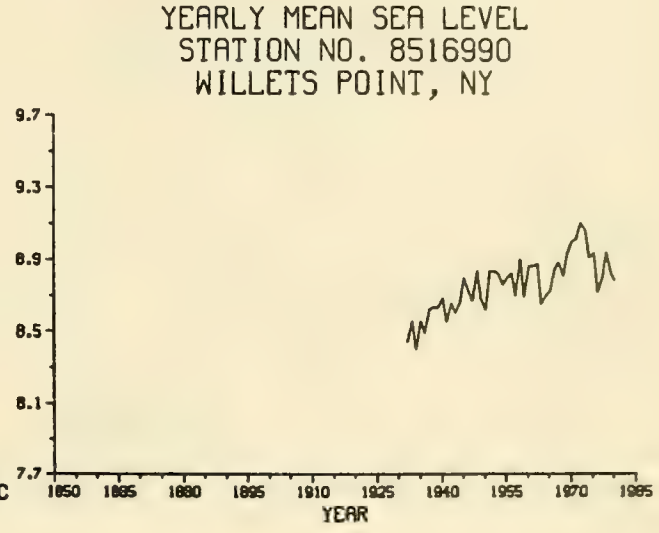
BRIDGEPORT, CT

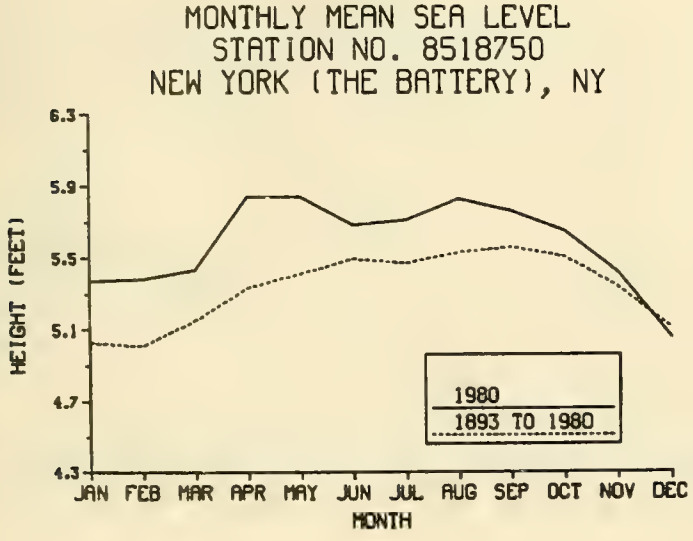


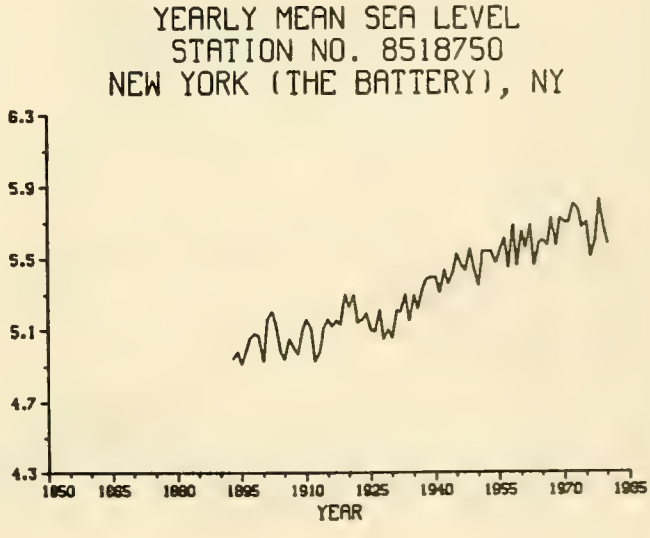

MONTHLY MEAN SEA LEVEL
STATION NO. 8510560
MONTAUK, NY
HEIGHT (FEET)
5.7
5.3
4.9
4.5
4.1
3.7
1980
1947 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

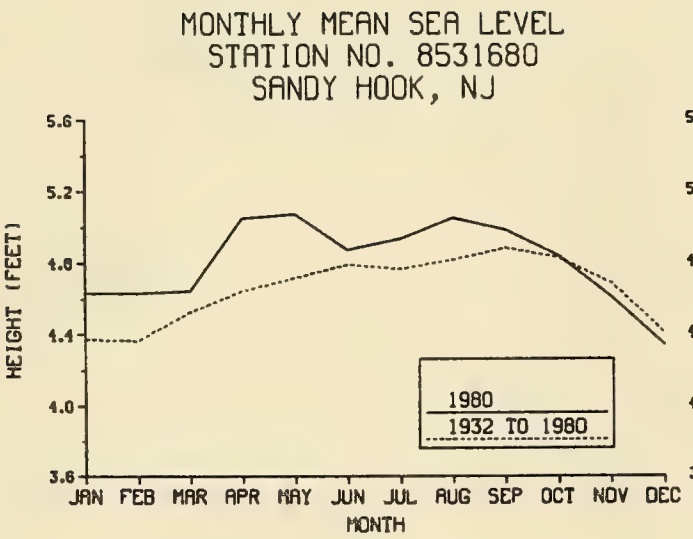
YEARLY MEAN SEA LEVEL
STATION NO. 8510560
MONTAUK, NY
5.7
5.3
4.9
4.5
4.1
3.7
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

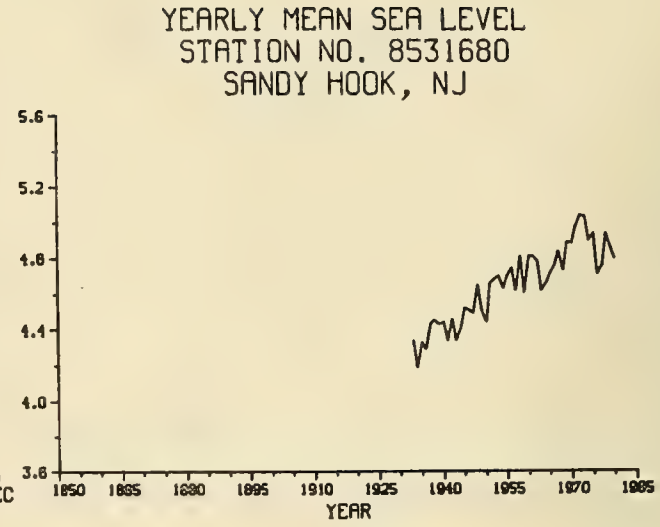

MONTHLY MEAN SEA LEVEL
STATION NO. 8516990
WILLETS POINT, NY
HEIGHT (FEET)
9.7
9.3
8.9
8.5
8.1
7.7
1980
1931 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8516990
WILLETS POINT, NY
9.7
9.3
8.9
8.5
8.1
7.7
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8518750
NEW YORK (THE BATTERY), NY
HEIGHT (FEET)
6.3
5.9
5.5
5.1
4.7
4.3
1980
1893 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8518750
NEW YORK (THE BATTERY), NY
6.3
5.9
5.5
5.1
4.7
4.3
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8531680
SANDY HOOK, NJ
HEIGHT (FEET)
5.6
5.2
4.8
4.4
4.0
3.6
1980
1932 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8531680
SANDY HOOK, NJ
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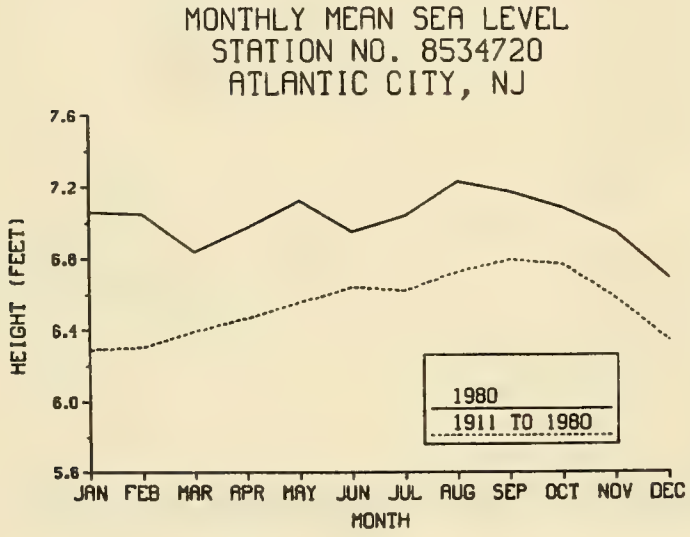
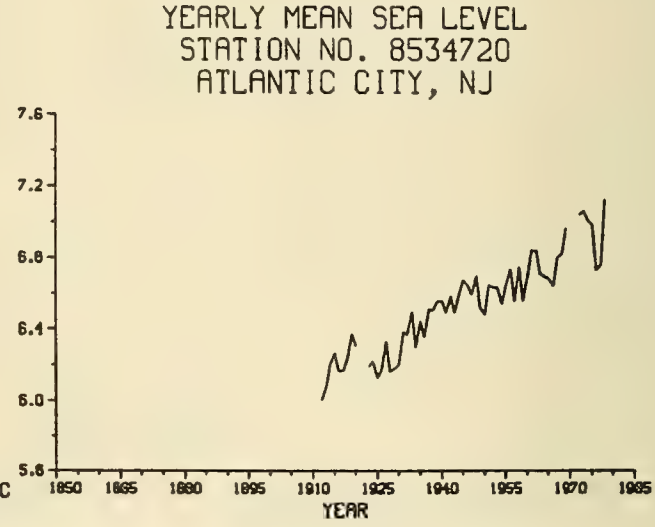
5.2
4.8
4.4
4.0
3.6
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8534720
ATLANTIC CITY, NJ
HEIGHT (FEET)
7.6
7.2
6.8
6.4
6.0
5.6
1980
1911 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8534720
ATLANTIC CITY, NJ
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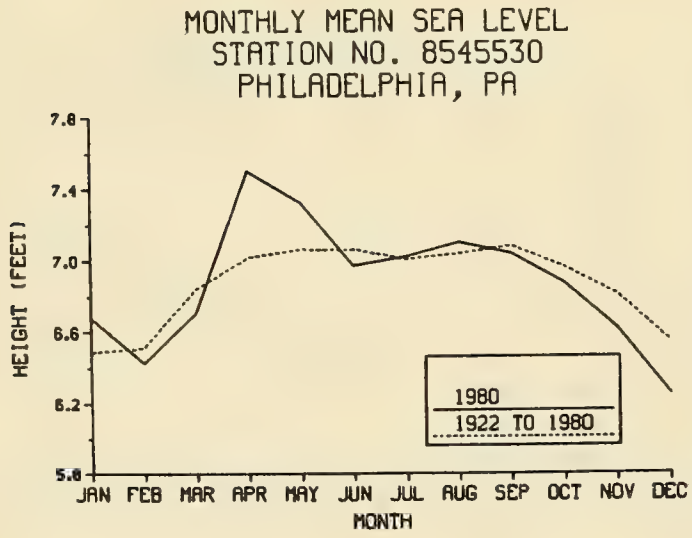
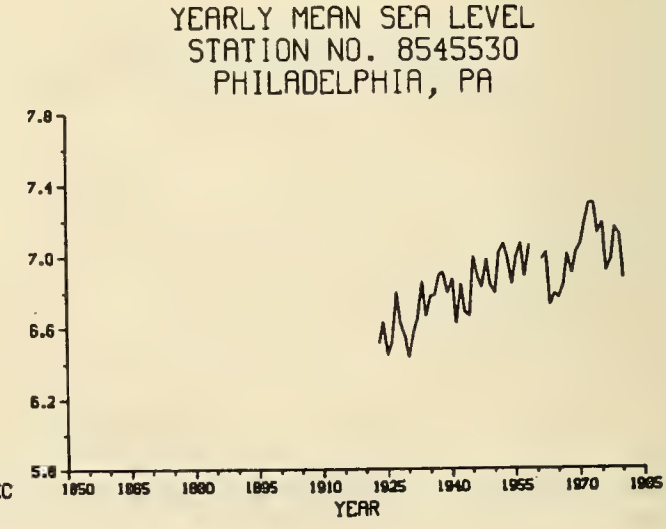
7.2
6.8
6.4
6.0
5.6
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8545530
PHILADELPHIA, PA
HEIGHT (FEET)
7.8
7.4
7.0
6.6
6.2
5.8
1980
1922 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8545530
PHILADELPHIA, PA
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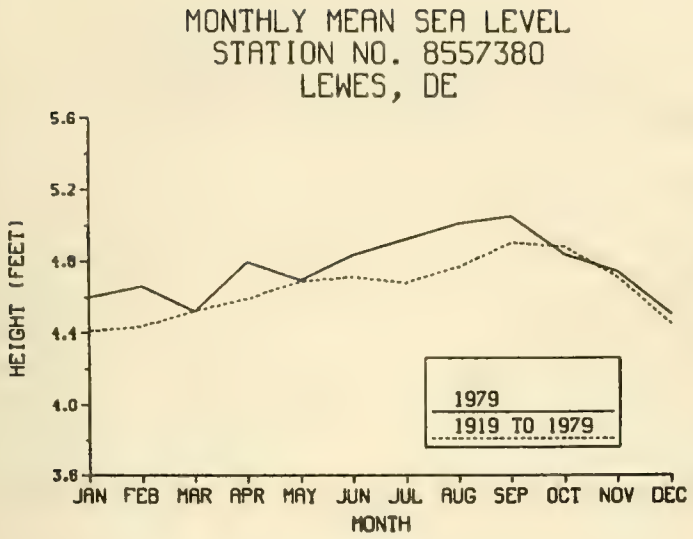
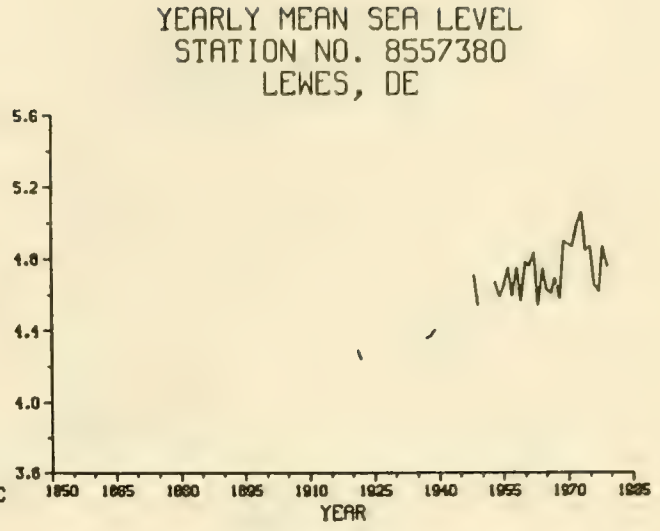
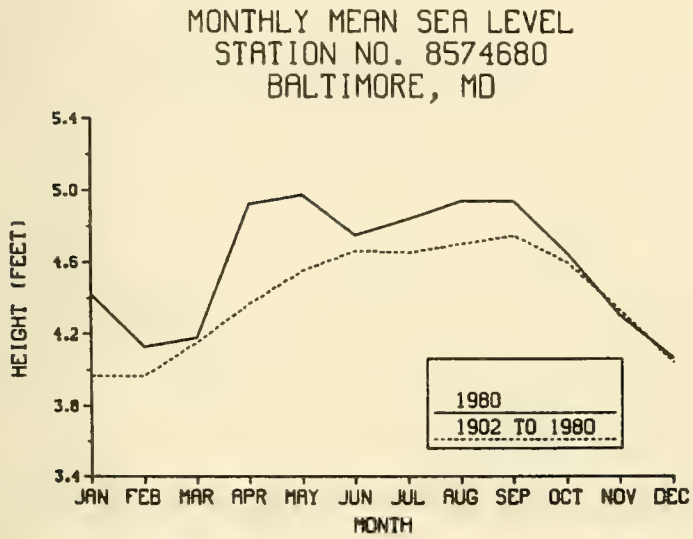
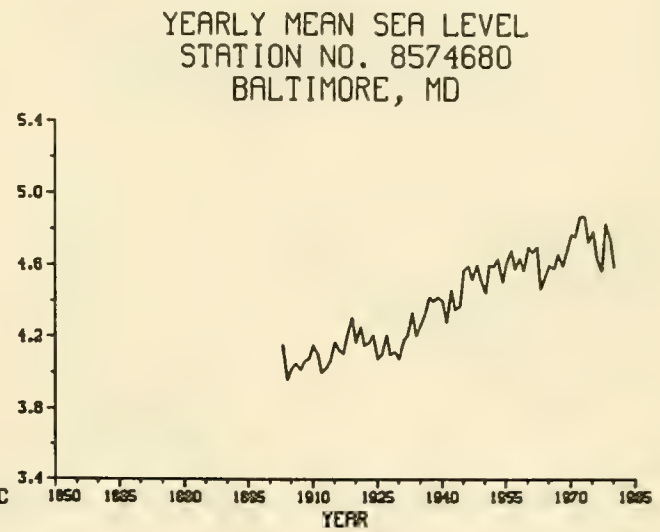
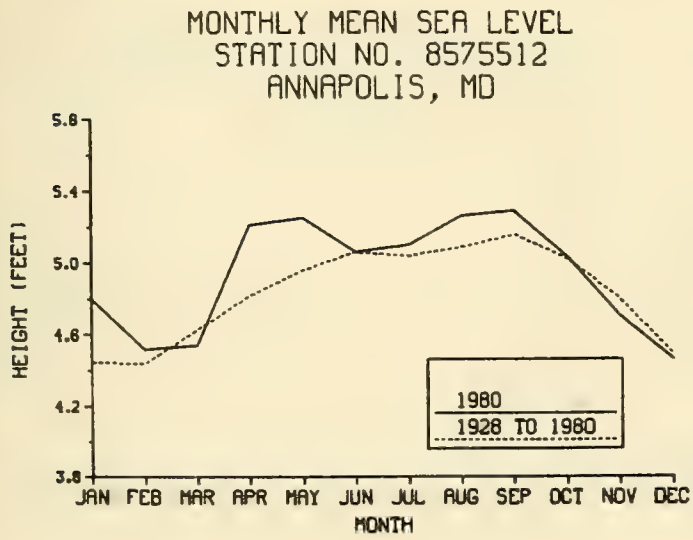
7.4
7.0
6.6
6.2
5.8
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

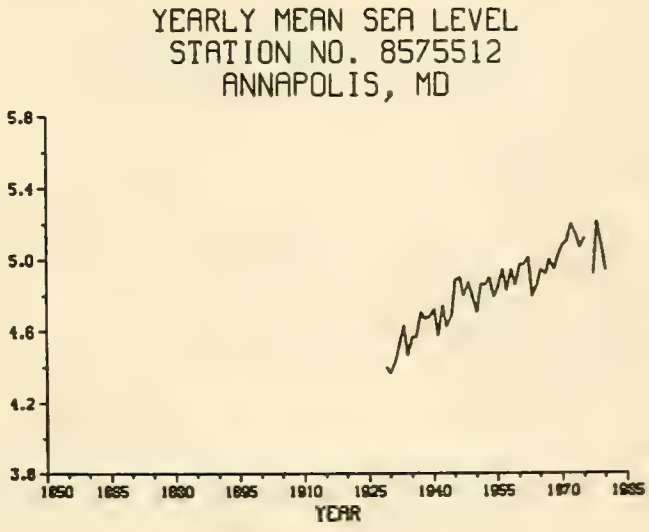

MONTHLY MEAN SEA LEVEL
STATION NO. 8557380
LEWES, DE
HEIGHT (FEET)
5.6
5.2
4.8
4.4
4.0
3.6
1979
1919 TO 1979
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

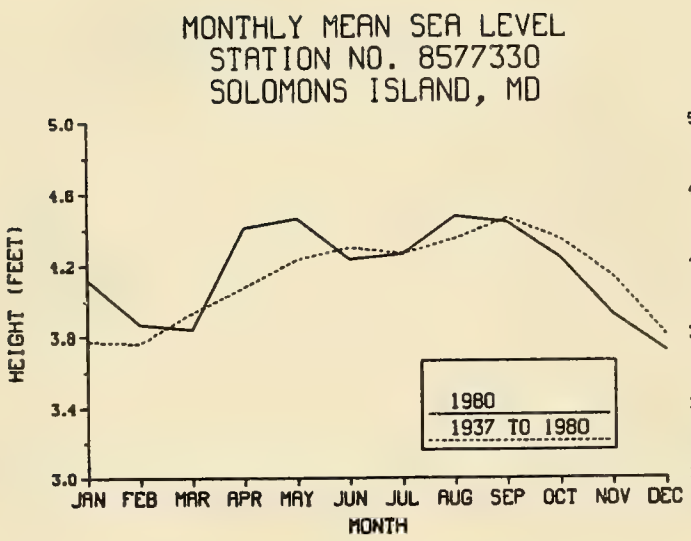

YEARLY MEAN SEA LEVEL
STATION NO. 8557380
LEWES, DE
5.6
5.2
4.8
4.4
4.0
3.6
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

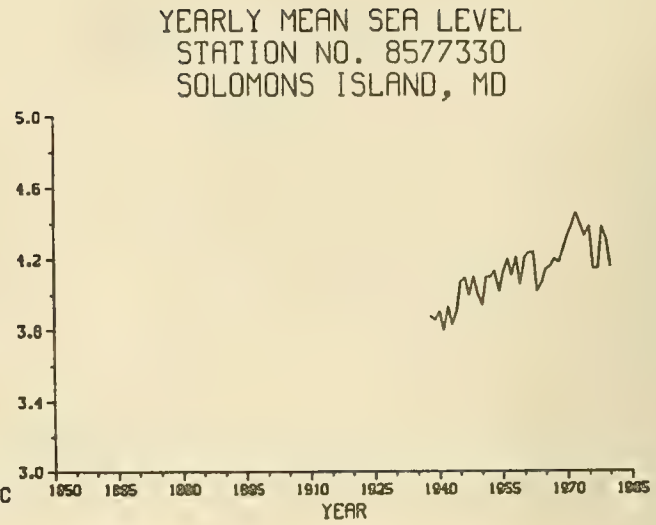

MONTHLY MEAN SEA LEVEL
STATION NO. 8574680
BALTIMORE, MD
HEIGHT (FEET)
5.4
5.0
4.6
4.2
3.8
3.4
1980
1902 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

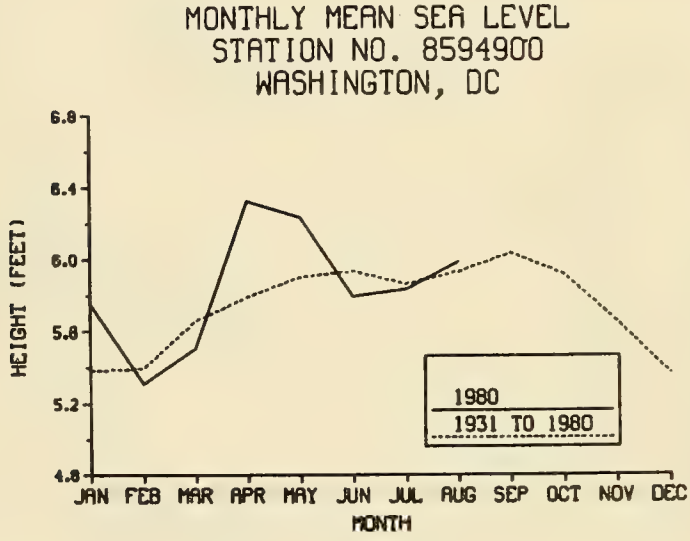

YEARLY MEAN SEA LEVEL
STATION NO. 8574680
BALTIMORE, MD
5.4
5.0
4.6
4.2
3.8
3.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

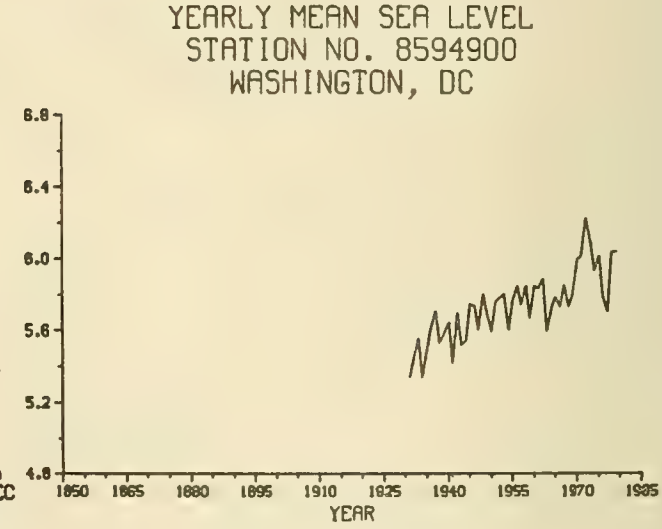

MONTHLY MEAN SEA LEVEL
STATION NO. 8575512
ANNAPOLIS, MD
HEIGHT (FEET)
5.8
5.4
5.0
4.6
4.2
3.8
1980
1928 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

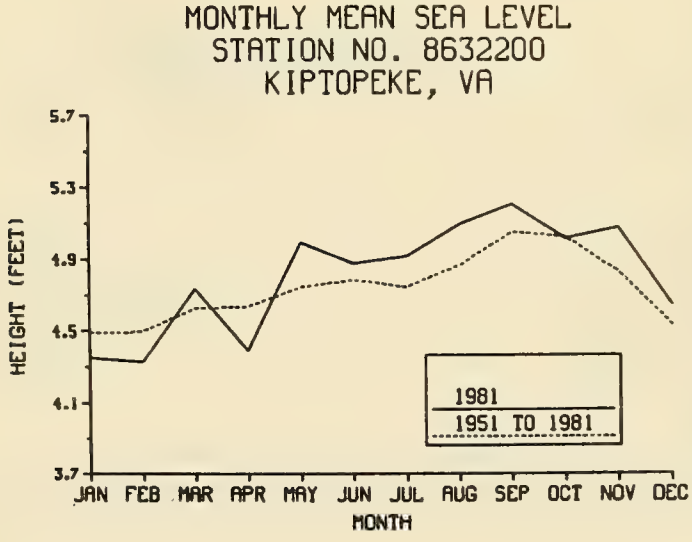

YEARLY MEAN SEA LEVEL
STATION NO. 8575512
ANNAPOLIS, MD
5.8
5.4
5.0
4.6
4.2
3.8
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

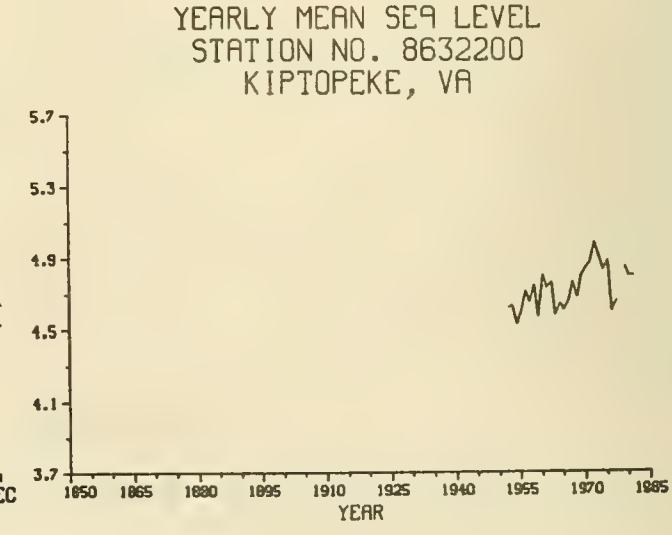

MONTHLY MEAN SEA LEVEL
STATION NO. 8577330
SOLOMONS ISLAND, MD
HEIGHT (FEET)
5.0
4.6
4.2
3.8
3.4
3.0
1980
1937 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8577330
SOLOMONS ISLAND, MD
5.0
4.6
4.2
3.8
3.4
3.0
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

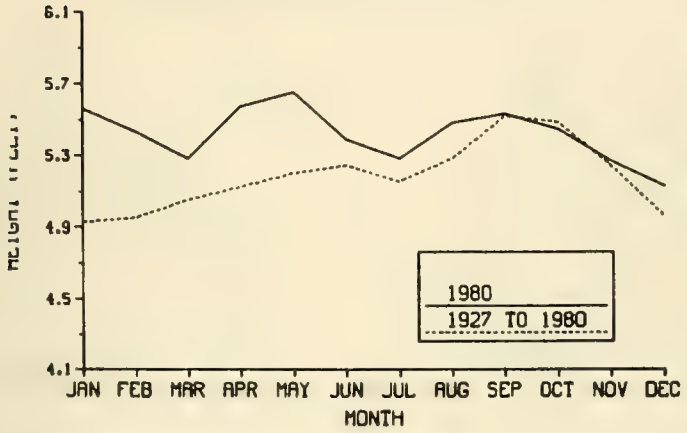

MONTHLY MEAN SEA LEVEL
STATION NO. 8594900
WASHINGTON, DC
HEIGHT (FEET)
6.8
6.4
6.0
5.8
5.2
4.8
1980
1931 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8594900
WASHINGTON, DC
6.8
6.4
6.0
5.8
5.2
4.8
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

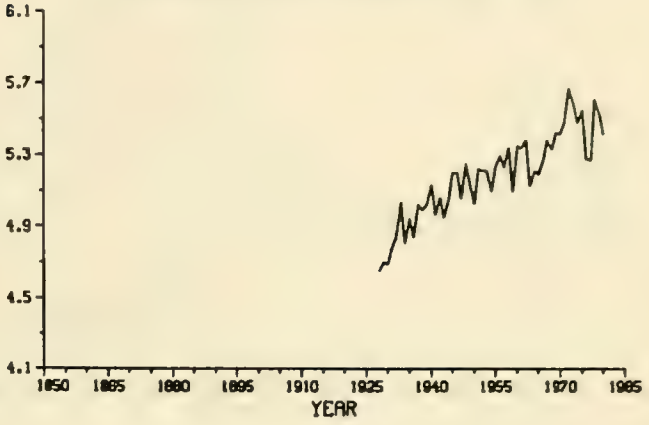

MONTHLY MEAN SEA LEVEL
STATION NO. 8632200
KIPTOPEKE, VA
HEIGHT (FEET)
5.7
5.3
4.9
4.5
4.1
3.7
1981
1951 TO 1981
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8632200
KIPTOPEKE, VA
5.7
5.3
4.9
4.5
4.1
3.7
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

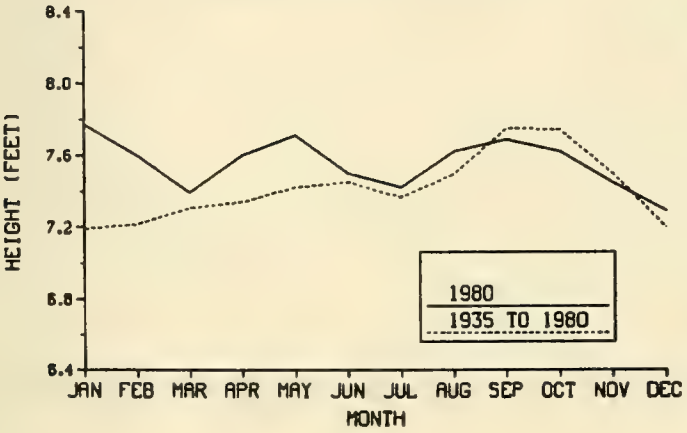
MONTHLY MEAN SEA LEVEL
STATION NO. 8638610
HAMPTON RDS. (NORFOLK), VA



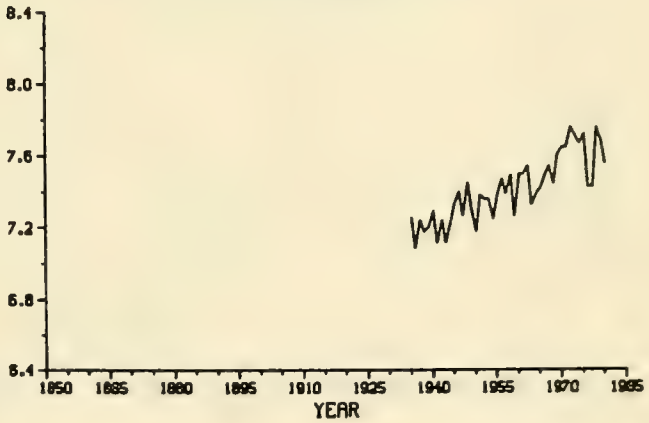
YEARLY MEAN SEA LEVEL
STATION NO. 8638610
HAMPTON RDS. (NORFOLK), VA



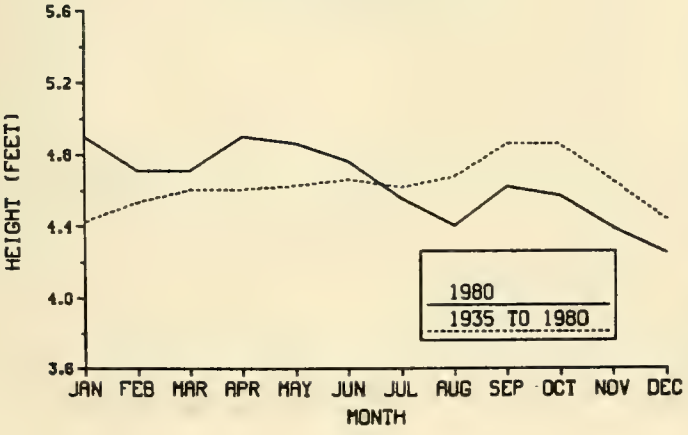
MONTHLY MEAN SEA LEVEL
STATION NO. 8638660
PORTSMOUTH, VA



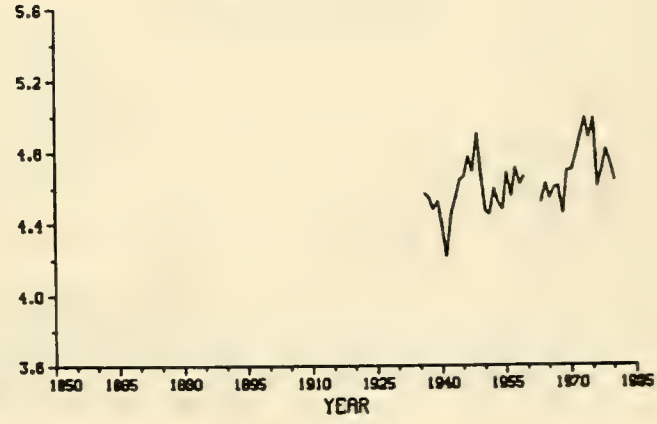
YEARLY MEAN SEA LEVEL
STATION NO. 8638660
PORTSMOUTH, VA



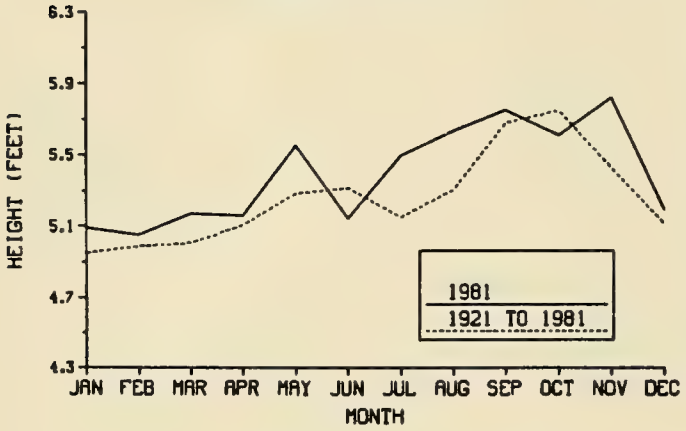
MONTHLY MEAN SEA LEVEL
STATION NO. 8658120
WILMINGTON, NC



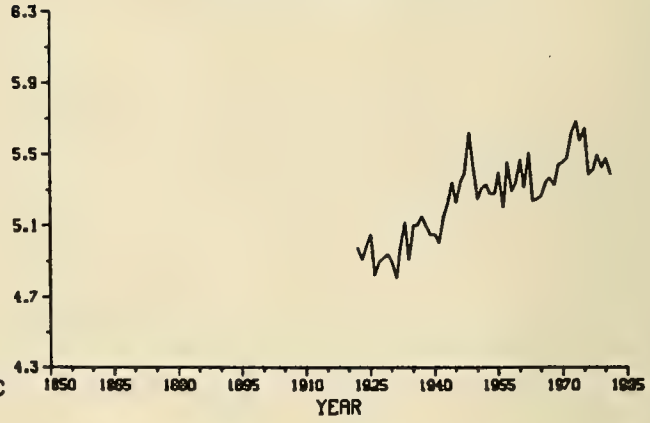
YEARLY MEAN SEA LEVEL
STATION NO. 8658120
WILMINGTON, NC



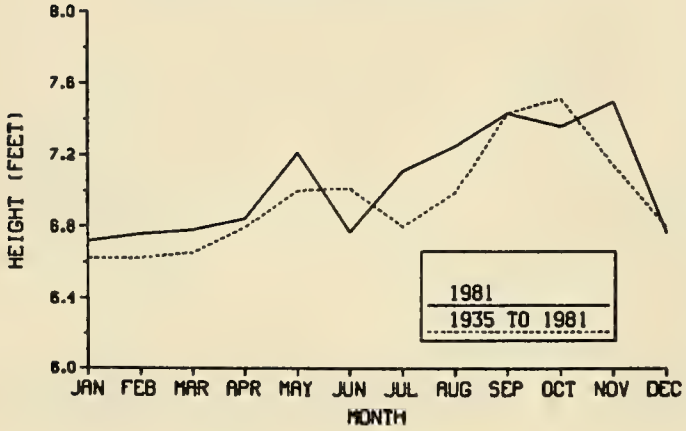
MONTHLY MEAN SEA LEVEL
STATION NO. 8665530
CHARLESTON, SC



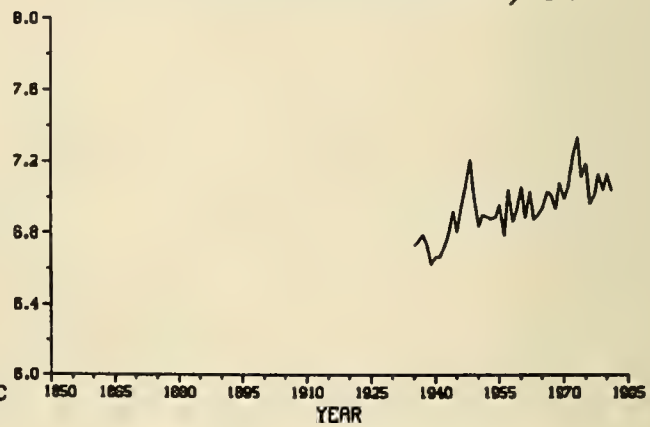
YEARLY MEAN SEA LEVEL
STATION NO. 8665530
CHARLESTON, SC



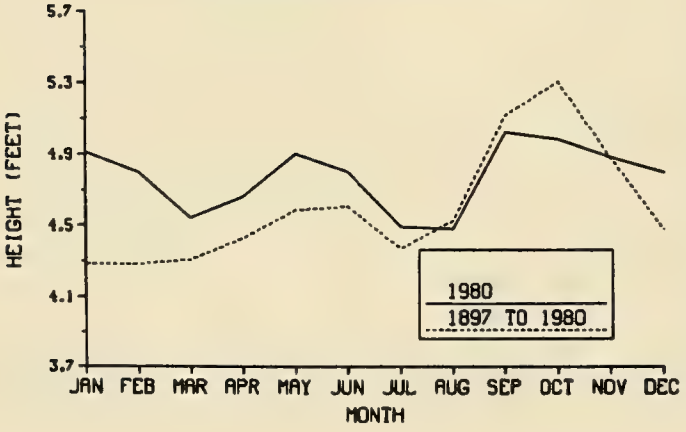
MONTHLY MEAN SEA LEVEL
STATION NO. 8670870
FORT PULASKI (SAVANNAH), GA



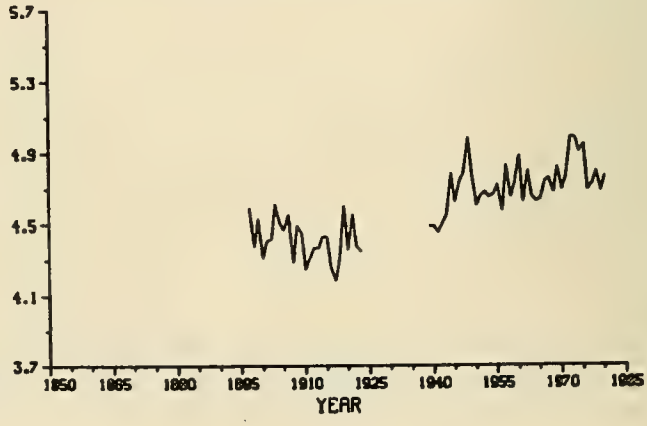
YEARLY MEAN SEA LEVEL
STATION NO. 8670870
FORT PULASKI (SAVANNAH), GA

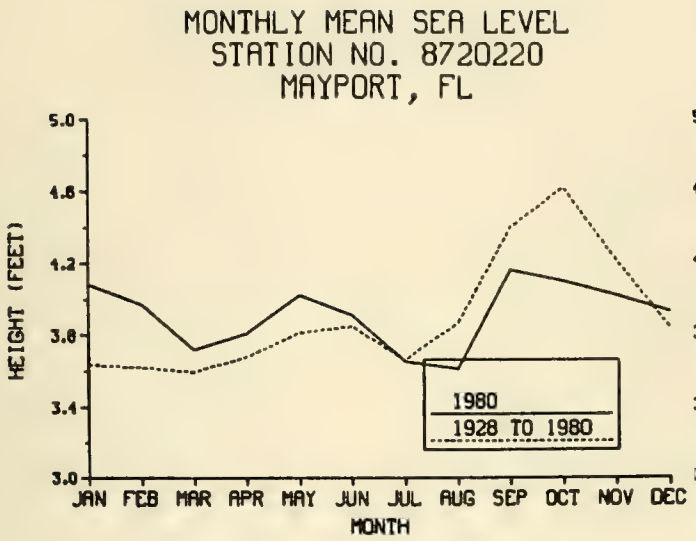


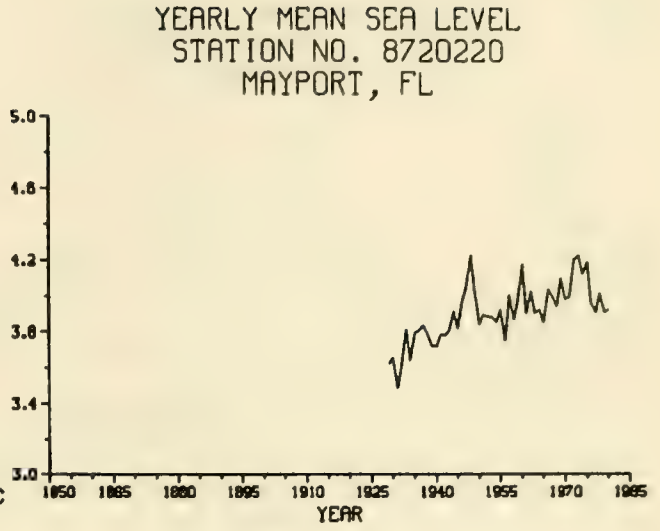
MONTHLY MEAN SEA LEVEL
STATION NO. 8720030
FERNANDINA BEACH, FL

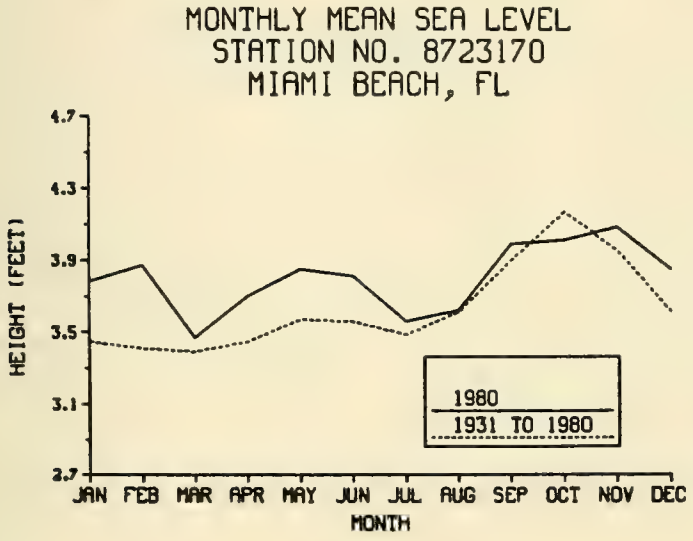


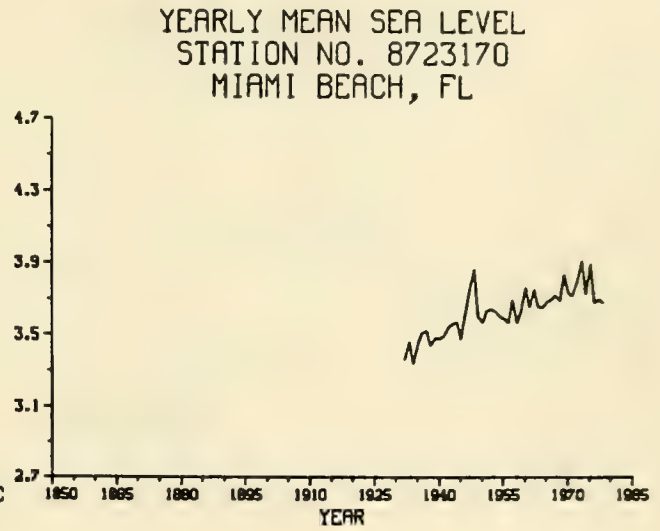
YEARLY MEAN SEA LEVEL
STATION NO. 8720030
FERNANDINA BEACH, FL

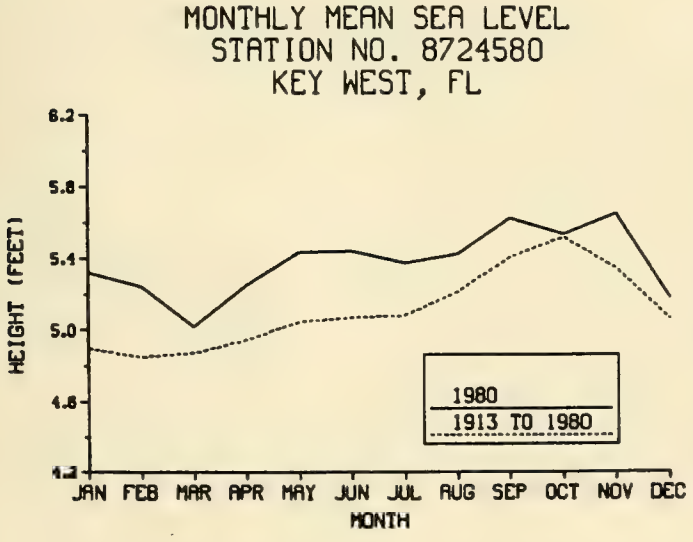


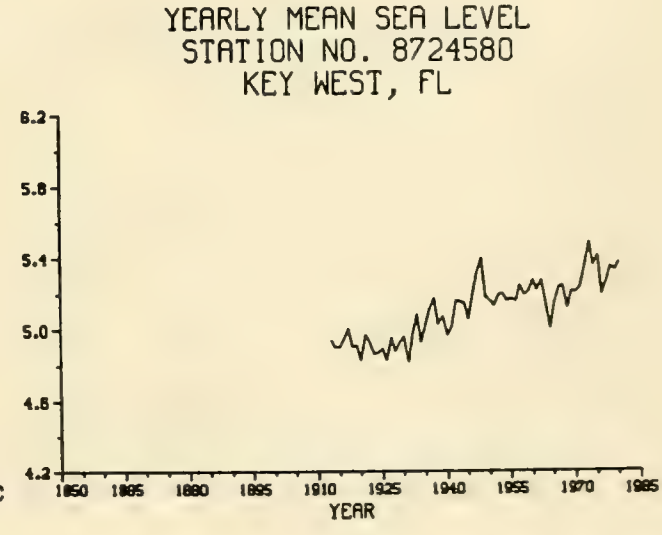

MONTHLY MEAN SEA LEVEL
STATION NO. 8720220
MAYPORT, FL
HEIGHT (FEET)
5.0
4.6
4.2
3.8
3.4
3.0
1980
1928 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8720220
MAYPORT, FL
5.0
4.6
4.2
3.8
3.4
3.0
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

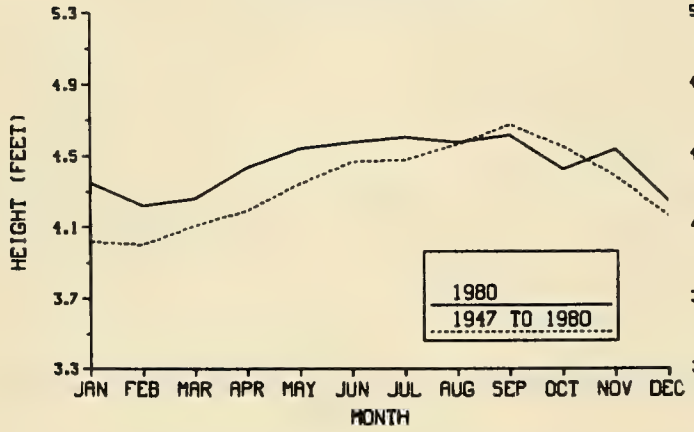

MONTHLY MEAN SEA LEVEL
STATION NO. 8723170
MIAMI BEACH, FL
HEIGHT (FEET)
4.7
4.3
3.9
3.5
3.1
2.7
1980
1931 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 8723170
MIAMI BEACH, FL
4.7
4.3
3.9
3.5
3.1
2.7
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8724580
KEY WEST, FL
HEIGHT (FEET)
6.2
5.8
5.4
5.0
4.6
4.2
1980
1913 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

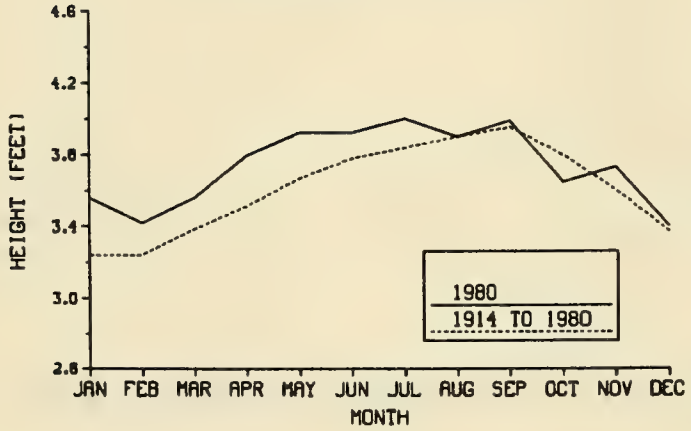

YEARLY MEAN SEA LEVEL
STATION NO. 8724580
KEY WEST, FL
6.2
5.8
5.4
5.0
4.6
4.2
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

MONTHLY MEAN SEA LEVEL
STATION NO. 8726520
ST. PETERSBURG, FL



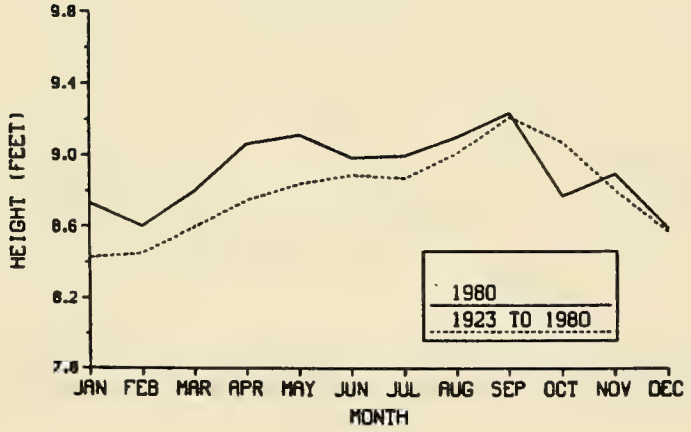
YEARLY MEAN SEA LEVEL
STATION NO. 8726520
ST. PETERSBURG, FL

MONTHLY MEAN SEA LEVEL
STATION NO. 8727520
CEDAR KEY, FL

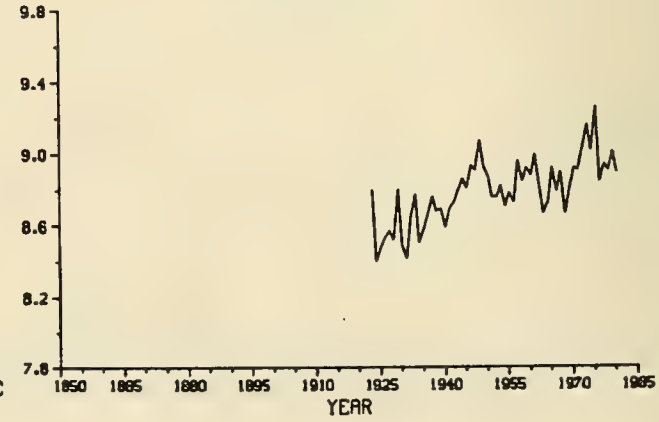


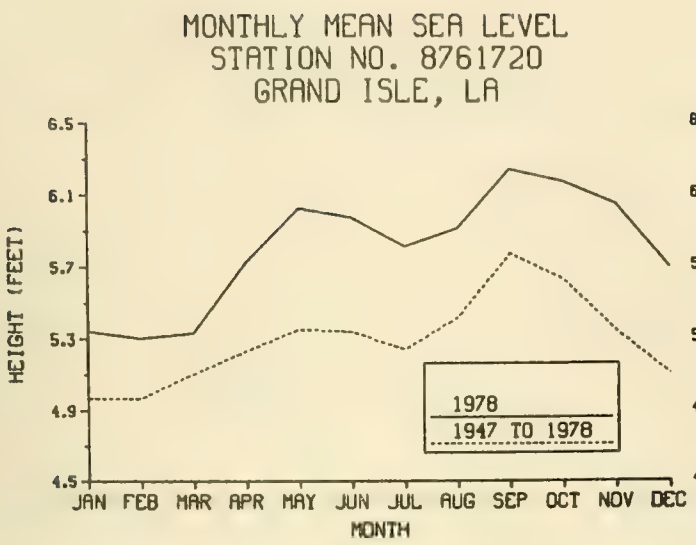
YEARLY MEAN SEA LEVEL
STATION NO. 8727520
CEDAR KEY, FL

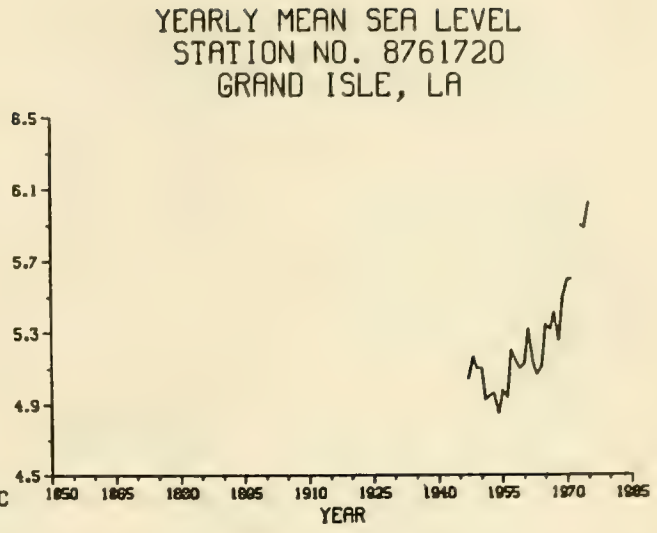
MONTHLY MEAN SEA LEVEL
STATION NO. 8729840
PENSACOLA, FL

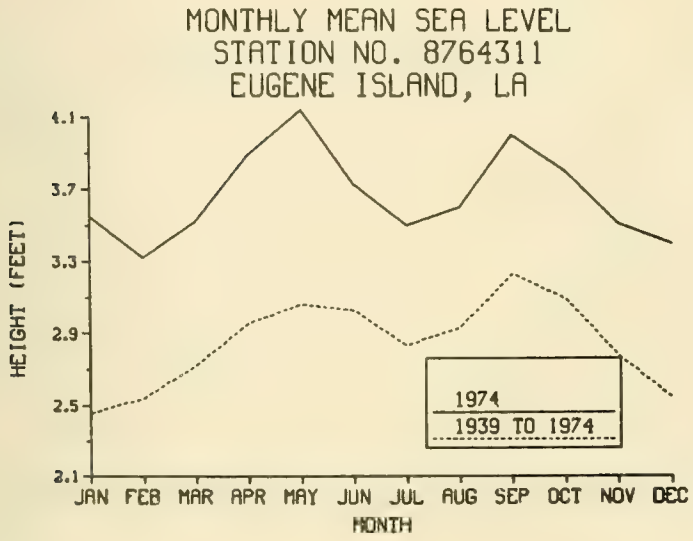


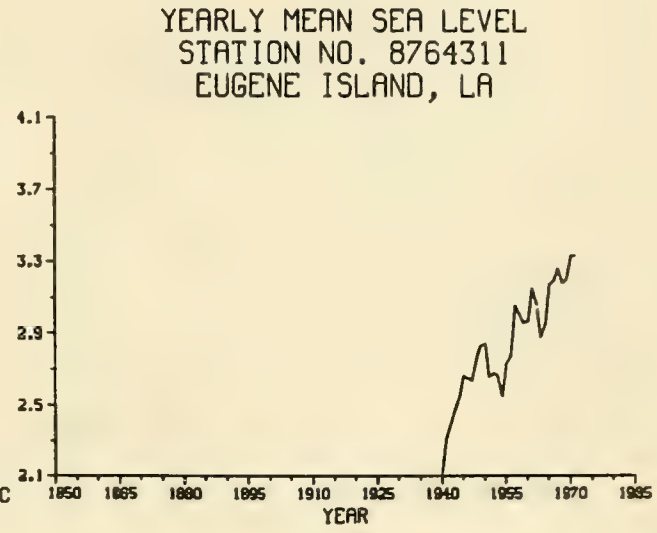
YEARLY MEAN SEA LEVEL
STATION NO. 8729840
PENSACOLA, FL

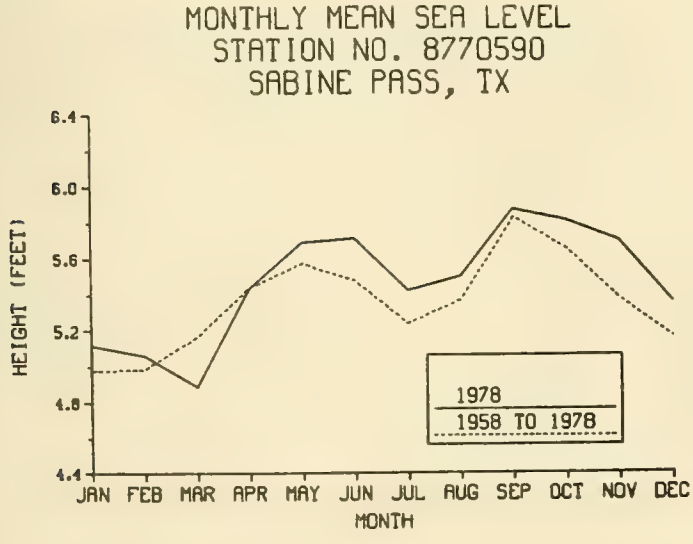


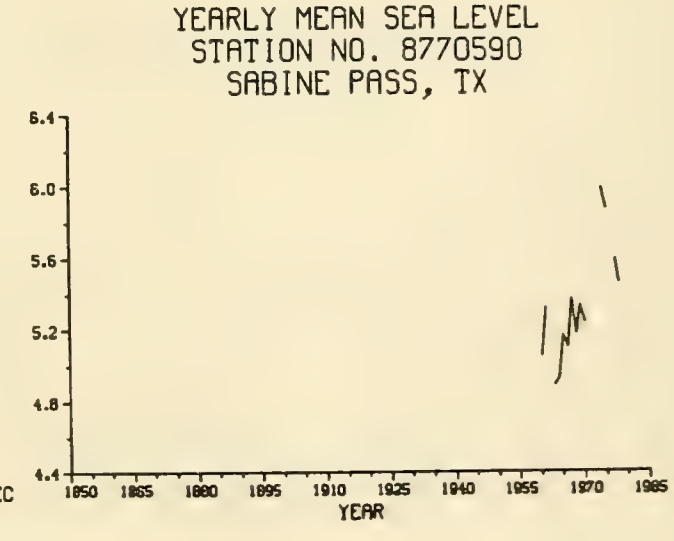

MONTHLY MEAN SEA LEVEL
STATION NO. 8761720
GRAND ISLE, LA
HEIGHT (FEET)
6.5
6.1
5.7
5.3
4.9
4.5
1978
1947 TO 1978
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

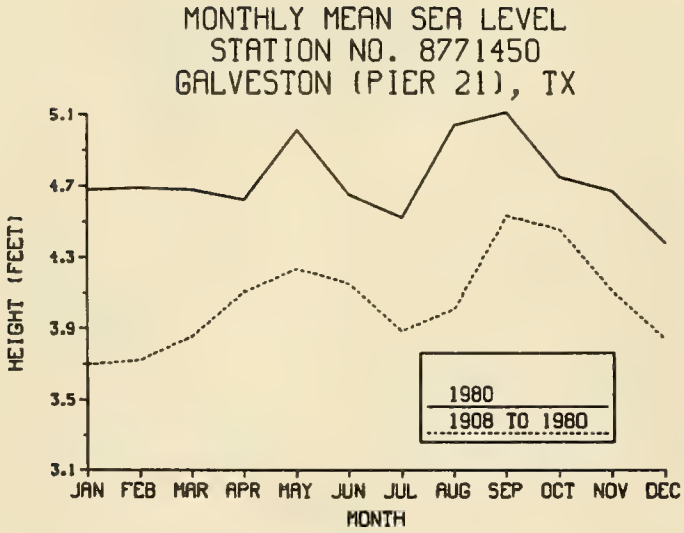

YEARLY MEAN SEA LEVEL
STATION NO. 8761720
GRAND ISLE, LA
6.5
6.1
5.7
5.3
4.9
4.5
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

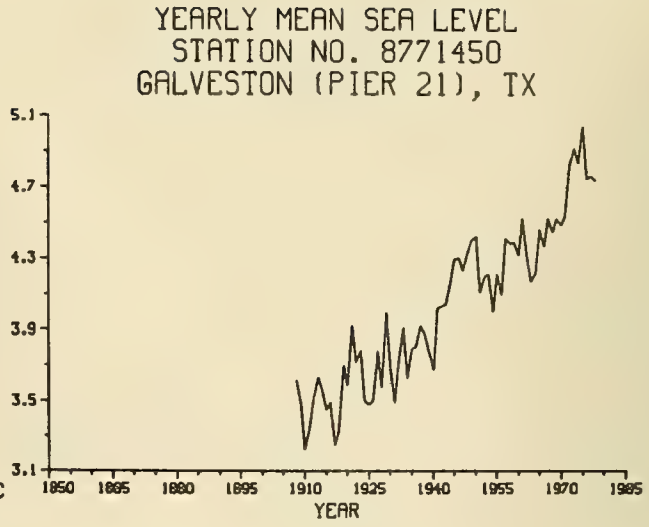

MONTHLY MEAN SEA LEVEL
STATION NO. 8764311
EUGENE ISLAND, LA
HEIGHT (FEET)
4.1
3.7
3.3
2.9
2.5
2.1
1974
1939 TO 1974
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

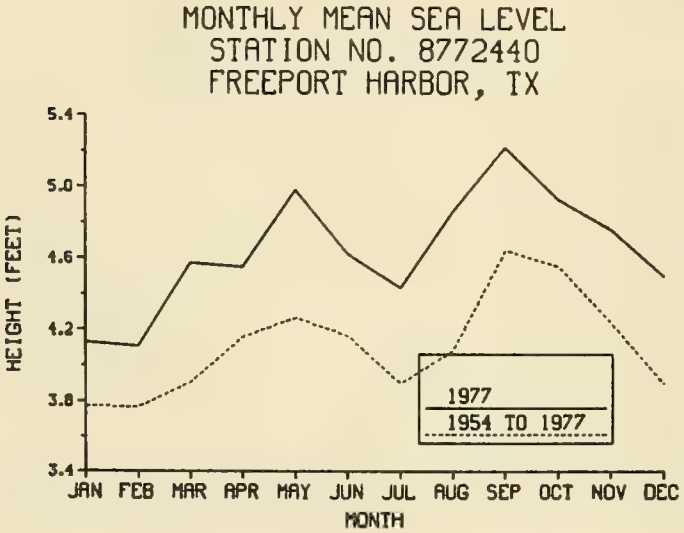

YEARLY MEAN SEA LEVEL
STATION NO. 8764311
EUGENE ISLAND, LA
4.1
3.7
3.3
2.9
2.5
2.1
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 8770590
SABINE PASS, TX
HEIGHT (FEET)
6.4
6.0
5.6
5.2
4.8
4.4
1978
1958 TO 1978
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

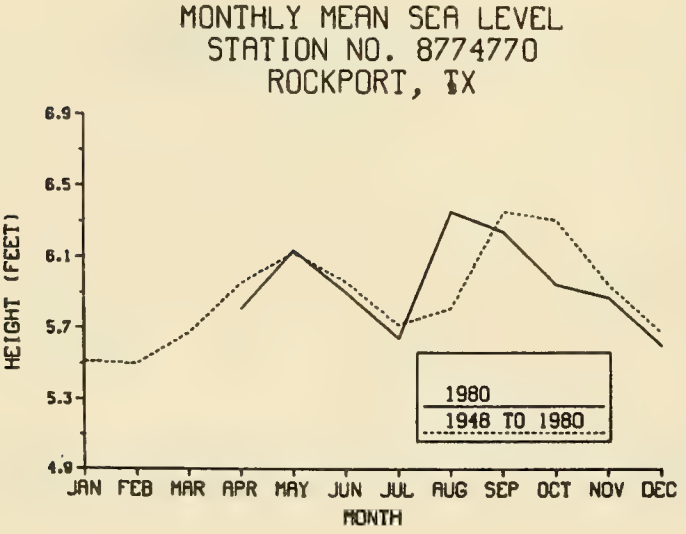

YEARLY MEAN SEA LEVEL
STATION NO. 8770590
SABINE PASS, TX
6.4
6.0
5.6
5.2
4.8
4.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

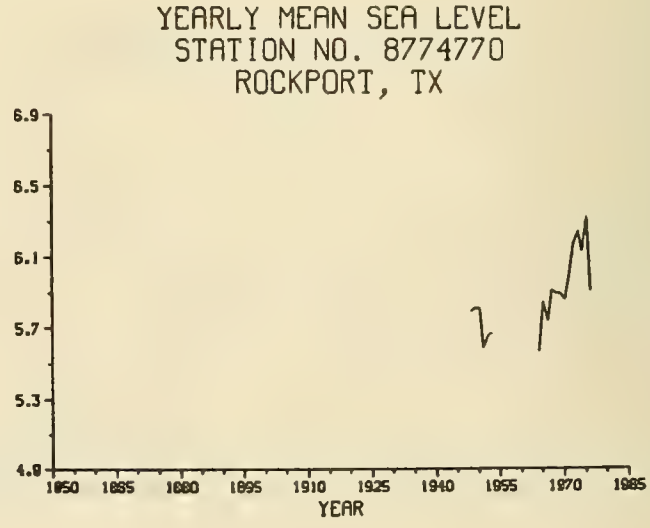

MONTHLY MEAN SEA LEVEL
STATION NO. 8771450
GALVESTON (PIER 21), TX
HEIGHT (FEET)
5.1
4.7
4.3
3.9
3.5
3.1
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1980
1908 TO 1980

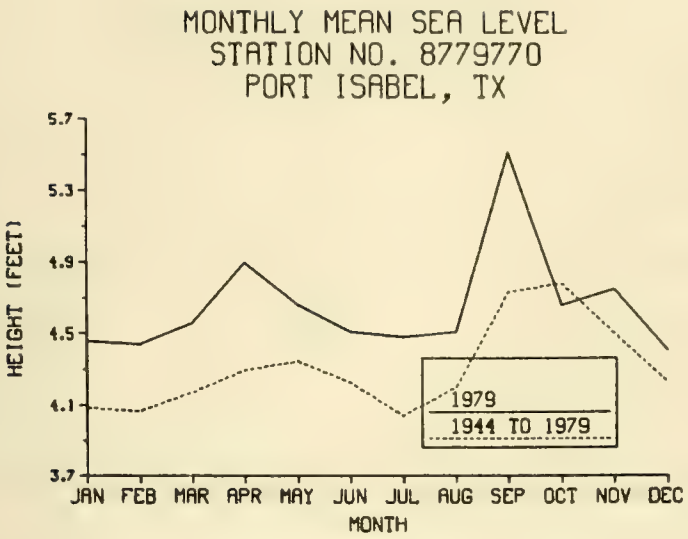

YEARLY MEAN SEA LEVEL
STATION NO. 8771450
GALVESTON (PIER 21), TX
5.1
4.7
4.3
3.9
3.5
3.1
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

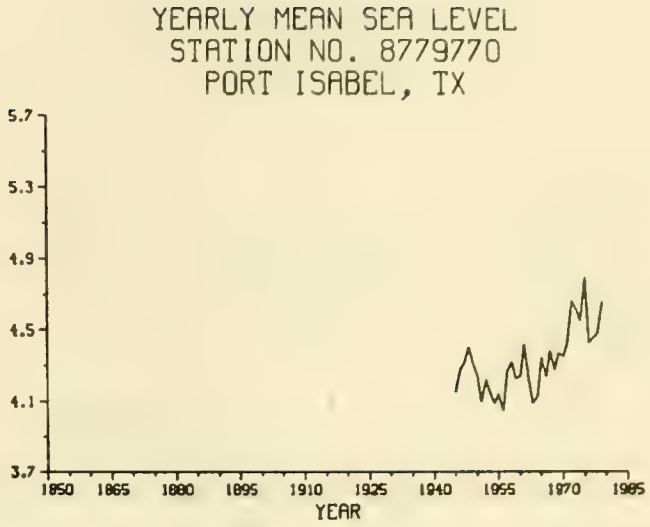

MONTHLY MEAN SEA LEVEL
STATION NO. 8772440
FREEPORT HARBOR, TX
HEIGHT (FEET)
5.4
5.0
4.6
4.2
3.8
3.4
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1977
1954 TO 1977

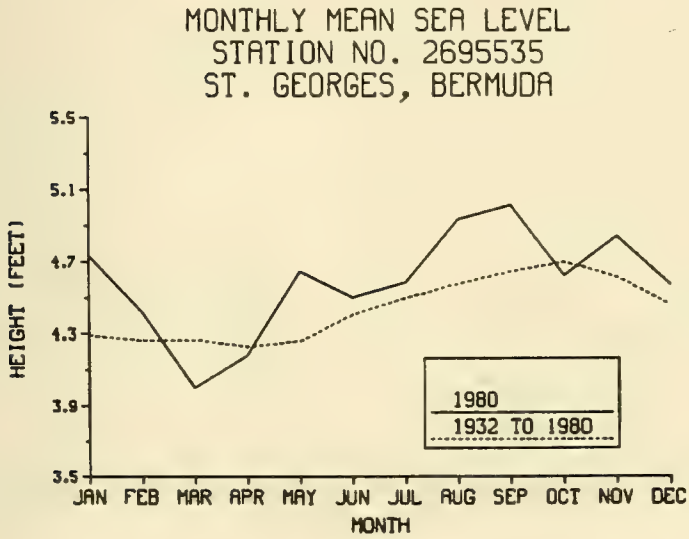
YEARLY MEAN SEA LEVEL
STATION NO. 8772440
FREEPORT HARBOR, TX
5.4
5.0
4.6
4.2
3.8
3.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

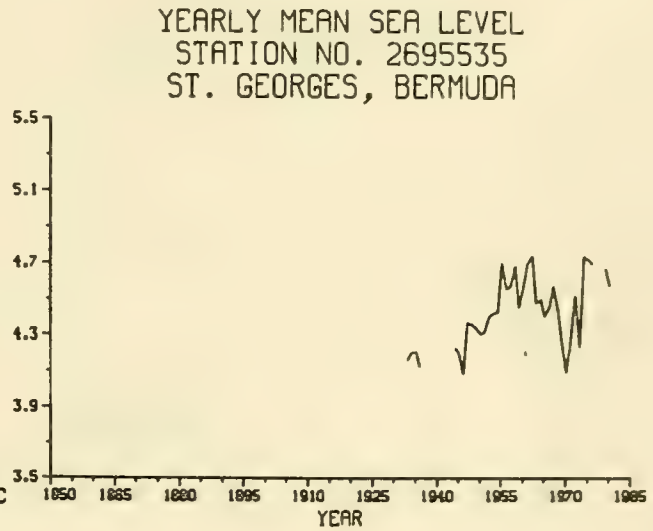

MONTHLY MEAN SEA LEVEL
STATION NO. 8774770
ROCKPORT, TX
HEIGHT (FEET)
6.9
6.5
6.1
5.7
5.3
4.9
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1980
1948 TO 1980

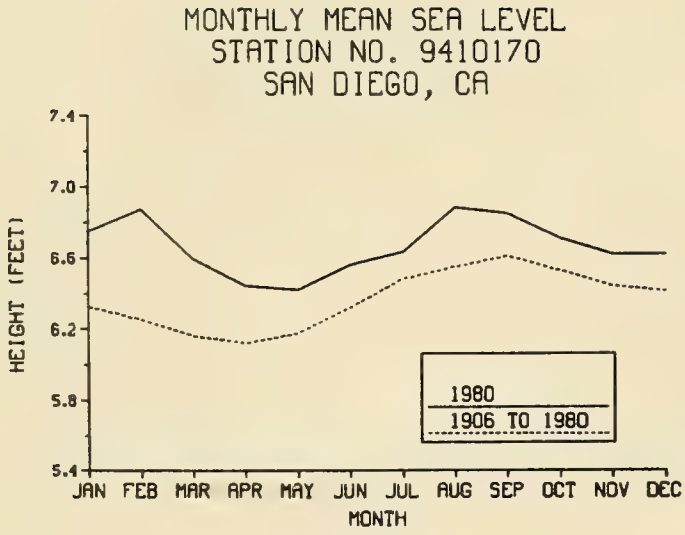

YEARLY MEAN SEA LEVEL
STATION NO. 8774770
ROCKPORT, TX
6.9
6.5
6.1
5.7
5.3
4.9
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

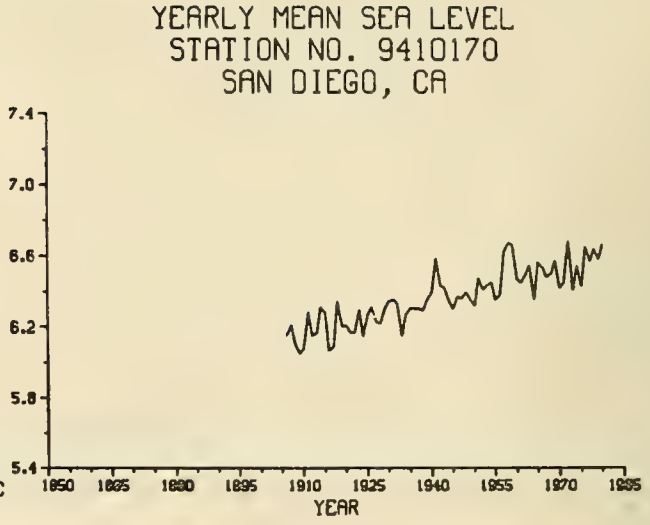

MONTHLY MEAN SEA LEVEL
STATION NO. 8779770
PORT ISABEL, TX
HEIGHT (FEET)
5.7
5.3
4.9
4.5
4.1
3.7
1979
1944 TO 1979
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

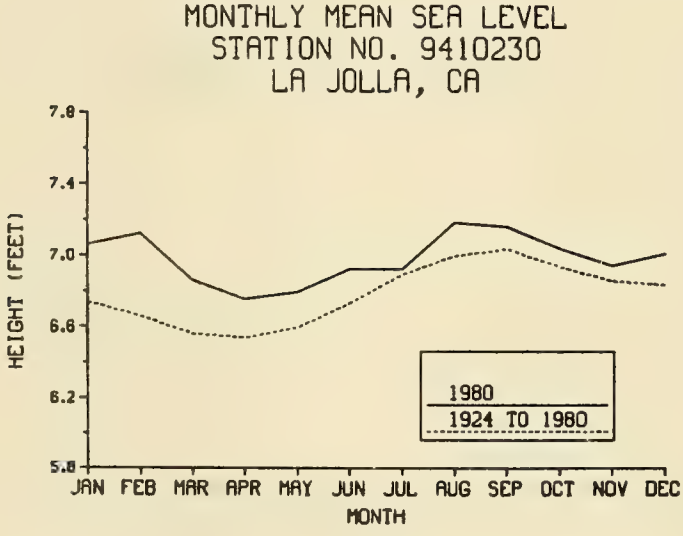

YEARLY MEAN SEA LEVEL
STATION NO. 8779770
PORT ISABEL, TX
5.7
5.3
4.9
4.5
4.1
3.7
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

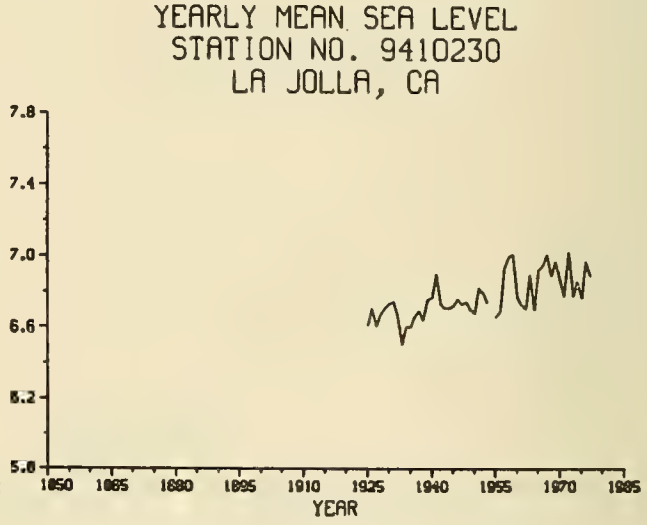

MONTHLY MEAN SEA LEVEL
STATION NO. 2695535
ST. GEORGES, BERMUDA
HEIGHT (FEET)
5.5
5.1
4.7
4.3
3.9
3.5
1980
1932 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

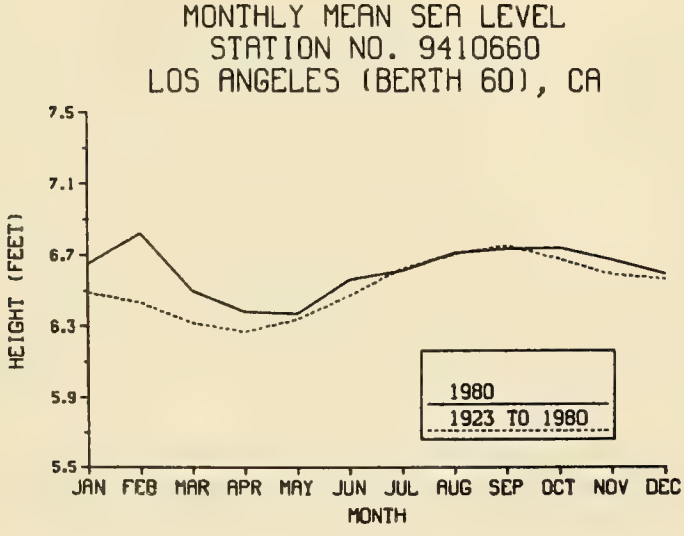

YEARLY MEAN SEA LEVEL
STATION NO. 2695535
ST. GEORGES, BERMUDA
5.5
5.1
4.7
4.3
3.9
3.5
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

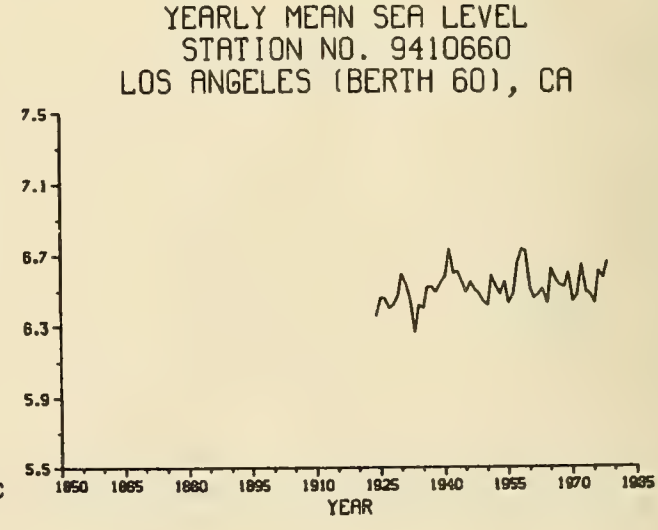

MONTHLY MEAN SEA LEVEL
STATION NO. 9410170
SAN DIEGO, CA
HEIGHT (FEET)
7.4
7.0
6.6
6.2
5.8
5.4
1980
1906 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 9410170
SAN DIEGO, CA
7.4
7.0
6.6
6.2
5.8
5.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

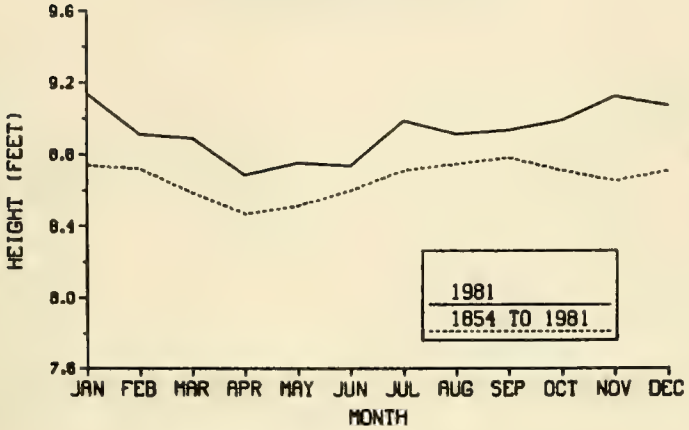

MONTHLY MEAN SEA LEVEL
STATION NO. 9410230
LA JOLLA, CA
HEIGHT (FEET)
7.8
7.4
7.0
6.6
6.2
5.8
1980
1924 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 9410230
LA JOLLA, CA
7.8
7.4
7.0
6.6
6.2
5.8
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

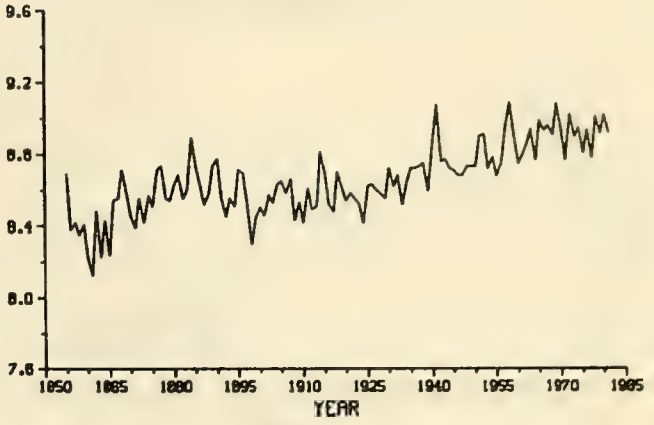

MONTHLY MEAN SEA LEVEL
STATION NO. 9410660
LOS ANGELES (BERTH 60), CA
HEIGHT (FEET)
7.5
7.1
6.7
6.3
5.9
5.5
1980
1923 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 9410660
LOS ANGELES (BERTH 60), CA
7.5
7.1
6.7
6.3
5.9
5.5
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

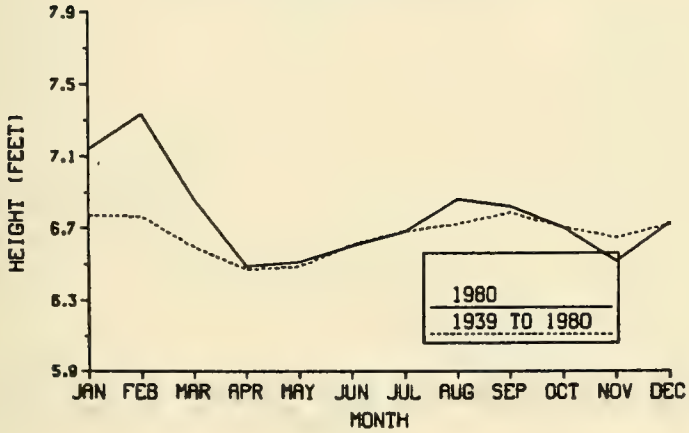
MONTHLY MEAN SEA LEVEL
STATION NO. 9414290
SAN FRANCISCO, CA



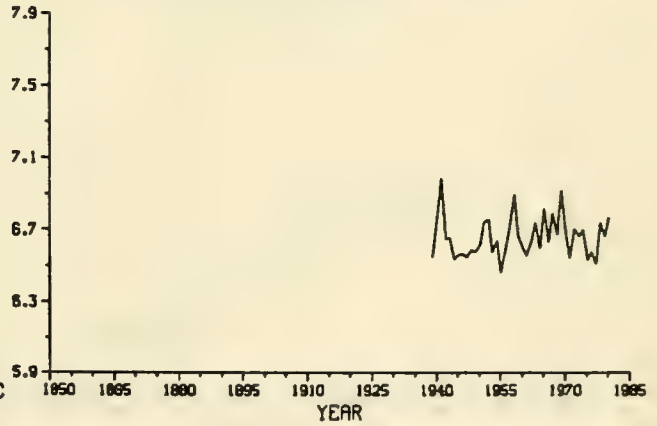
YEARLY MEAN SEA LEVEL
STATION NO. 9414290
SAN FRANCISCO, CA



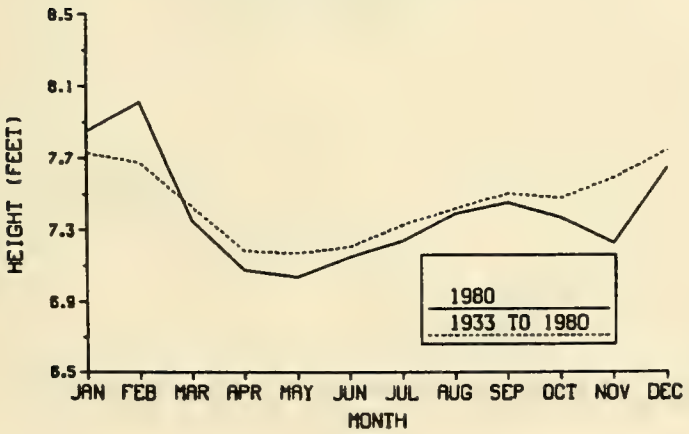
MONTHLY MEAN SEA LEVEL
STATION NO. 9414750
ALAMEDA, CA



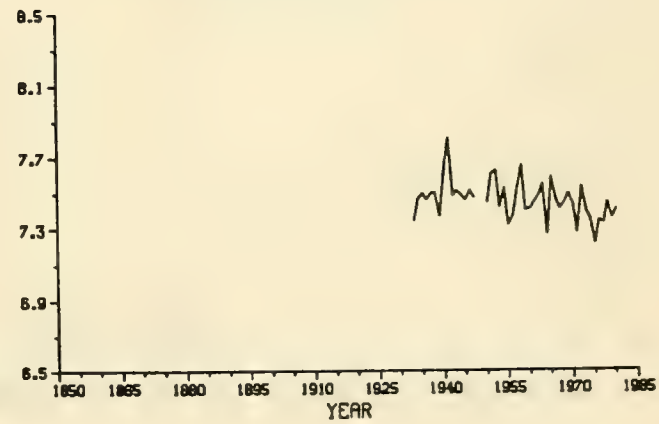
YEARLY MEAN SEA LEVEL
STATION NO. 9414750
ALAMEDA, CA

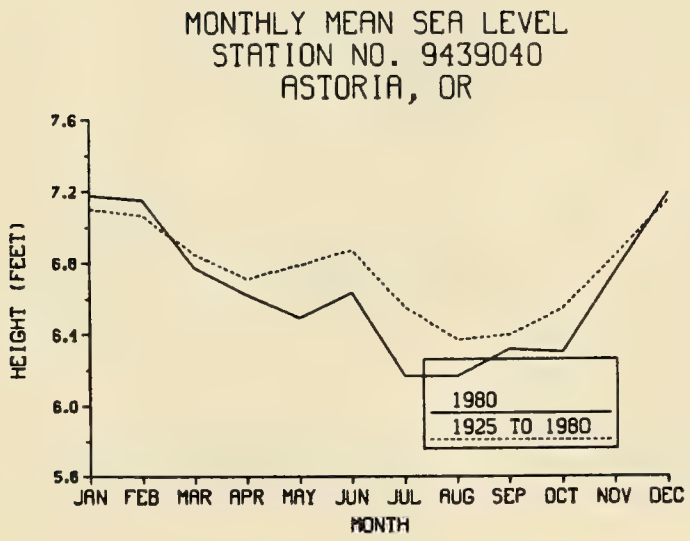


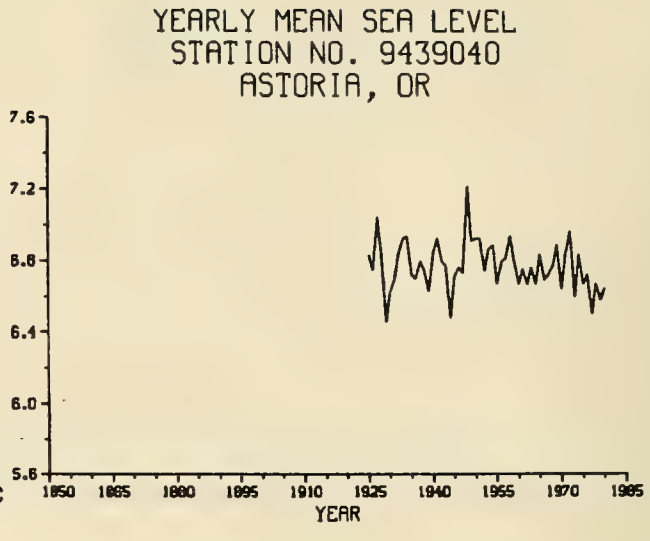
MONTHLY MEAN SEA LEVEL
STATION NO. 9419750
CRESCENT CITY, CA

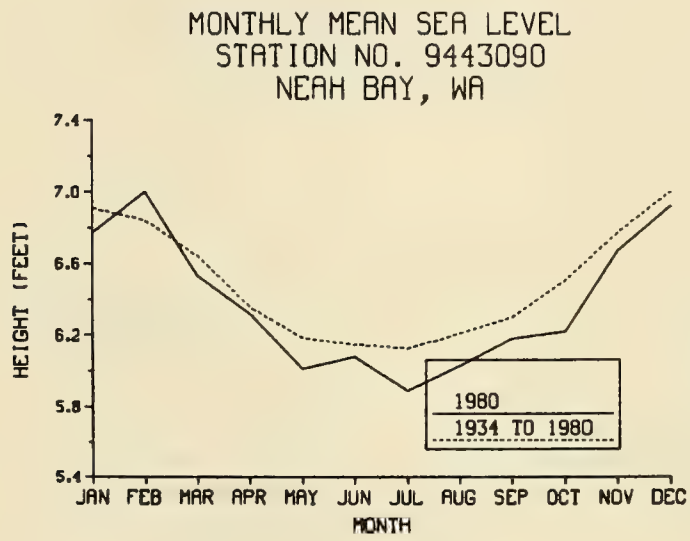


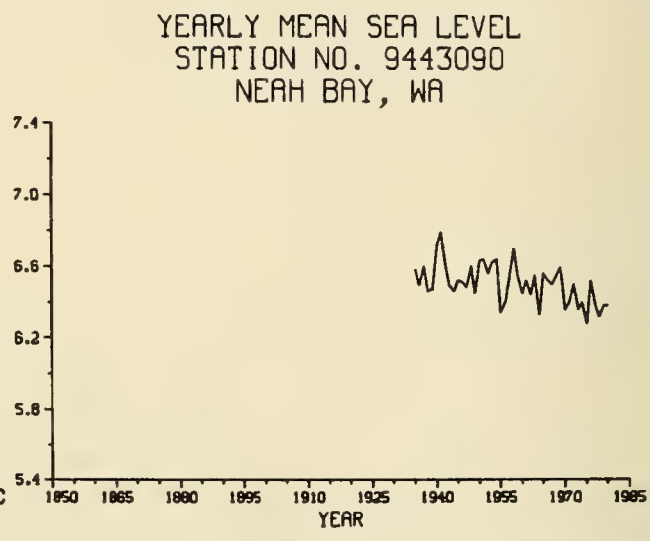
YEARLY MEAN SEA LEVEL
STATION NO. 9419750
CRESCENT CITY, CA

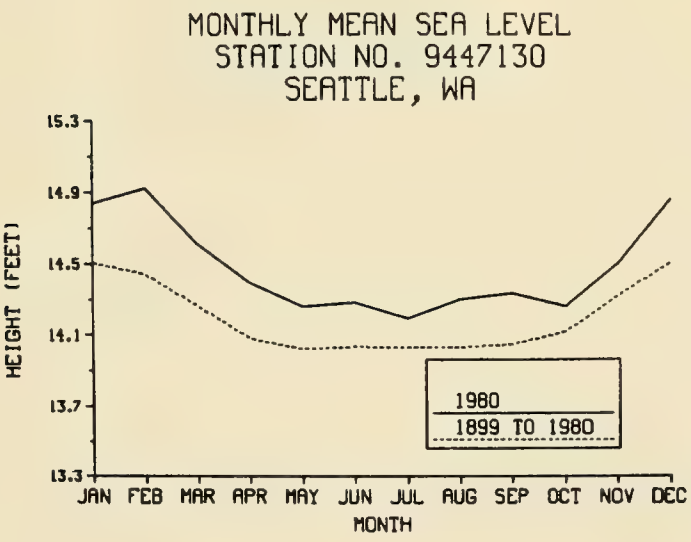


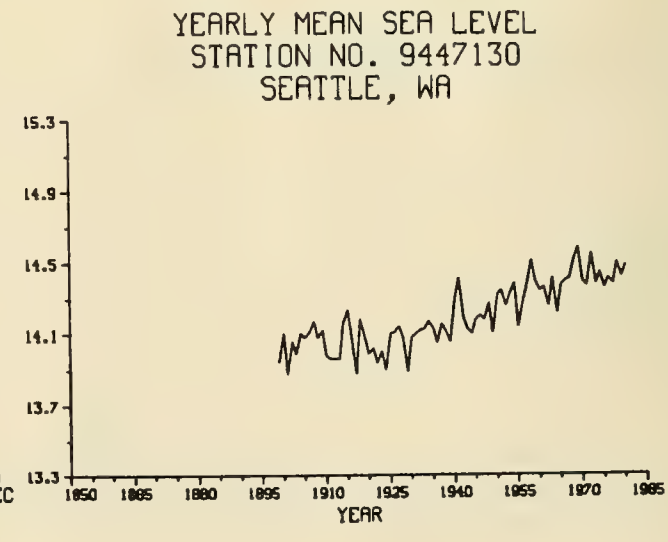

MONTHLY MEAN SEA LEVEL
STATION NO. 9439040
ASTORIA, OR
HEIGHT (FEET)
7.6
7.2
6.8
6.4
6.0
5.6
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1980
1925 TO 1980

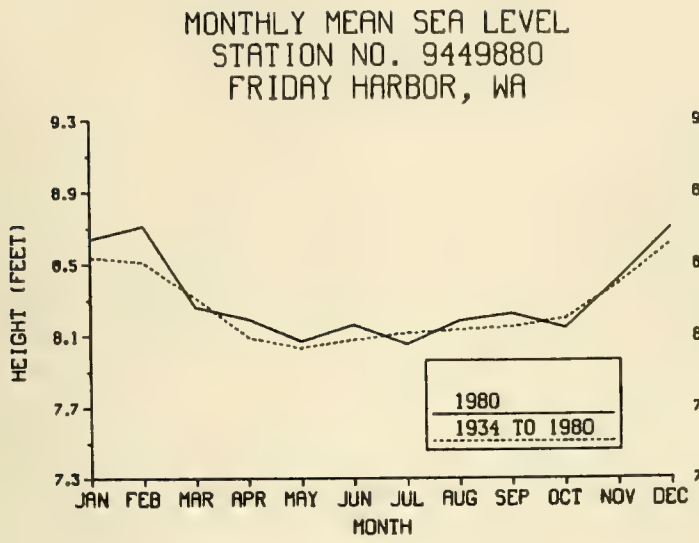

YEARLY MEAN SEA LEVEL
STATION NO. 9439040
ASTORIA, OR
7.6
7.2
6.8
6.4
6.0
5.6
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

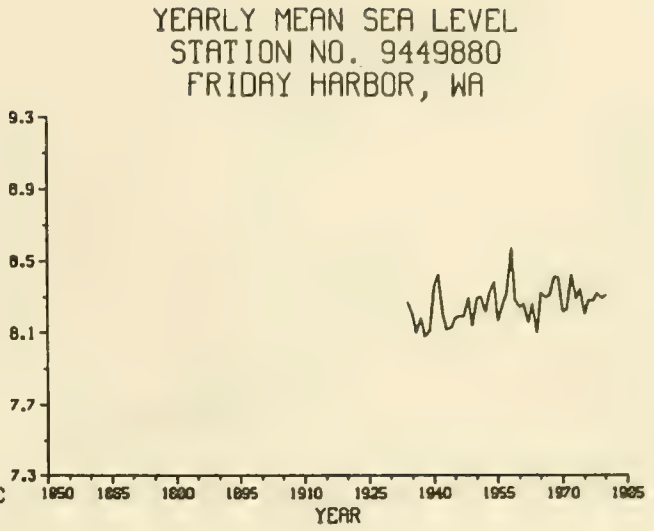

MONTHLY MEAN SEA LEVEL
STATION NO. 9443090
NEAH BAY, WA
HEIGHT (FEET)
7.4
7.0
6.6
6.2
5.8
5.4
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1980
1934 TO 1980

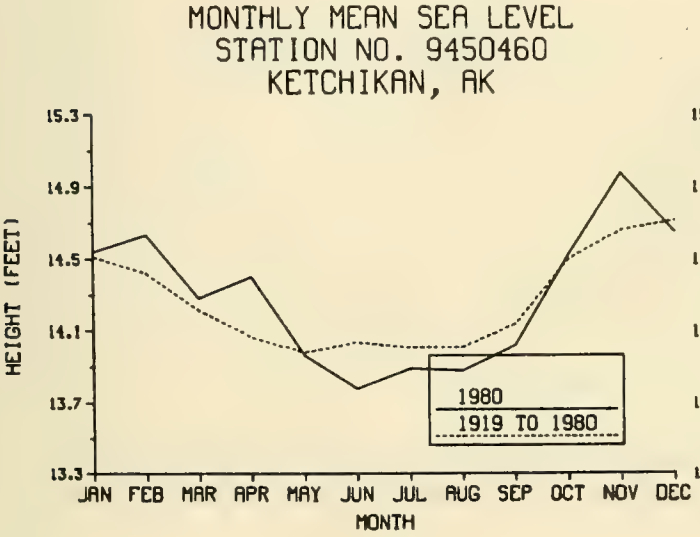

YEARLY MEAN SEA LEVEL
STATION NO. 9443090
NEAH BAY, WA
7.4
7.0
6.6
6.2
5.8
5.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

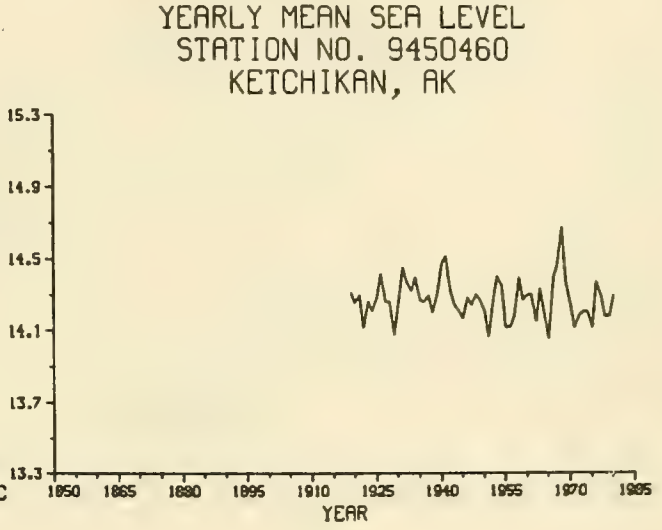

MONTHLY MEAN SEA LEVEL
STATION NO. 9447130
SEATTLE, WA
HEIGHT (FEET)
15.3
14.9
14.5
14.1
13.7
13.3
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1980
1899 TO 1980

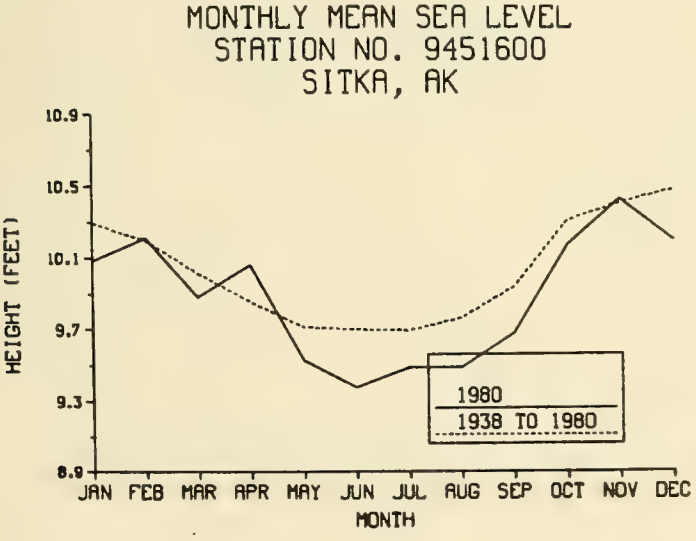

YEARLY MEAN SEA LEVEL
STATION NO. 9447130
SEATTLE, WA
15.3
14.9
14.5
14.1
13.7
13.3
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

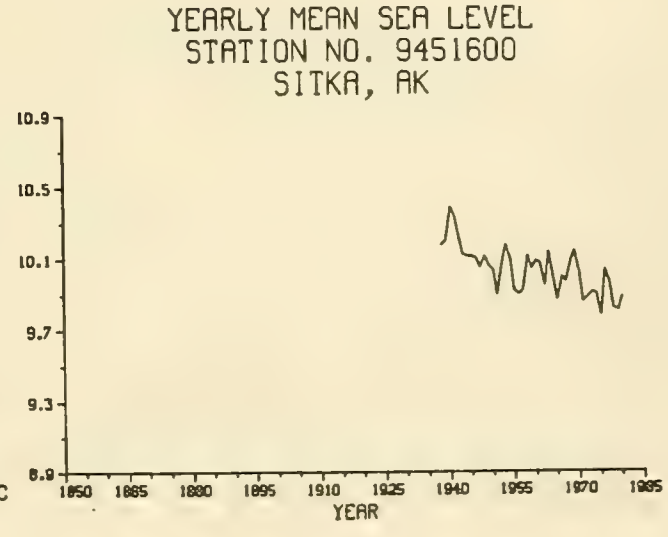

MONTHLY MEAN SEA LEVEL
STATION NO. 9449880
FRIDAY HARBOR, WA
HEIGHT (FEET)
9.3
8.9
8.5
8.1
7.7
7.3
1980
1934 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

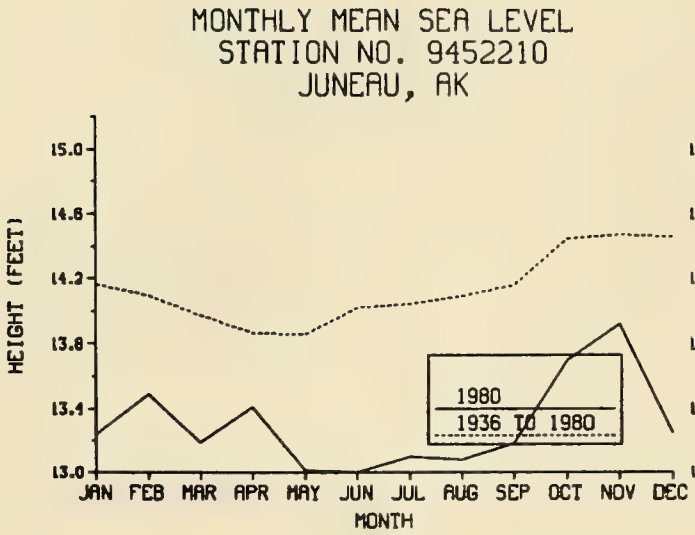

YEARLY MEAN SEA LEVEL
STATION NO. 9449880
FRIDAY HARBOR, WA
9.3
8.9
8.5
8.1
7.7
7.3
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

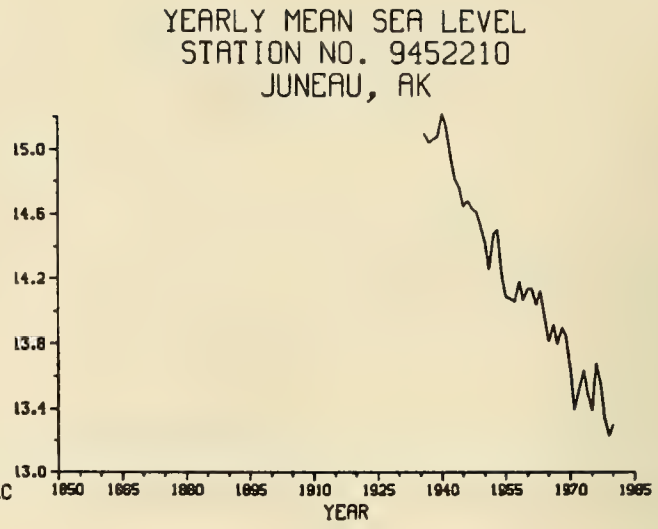

MONTHLY MEAN SEA LEVEL
STATION NO. 9450460
KETCHIKAN, AK
HEIGHT (FEET)
15.3
14.9
14.5
14.1
13.7
13.3
1980
1919 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

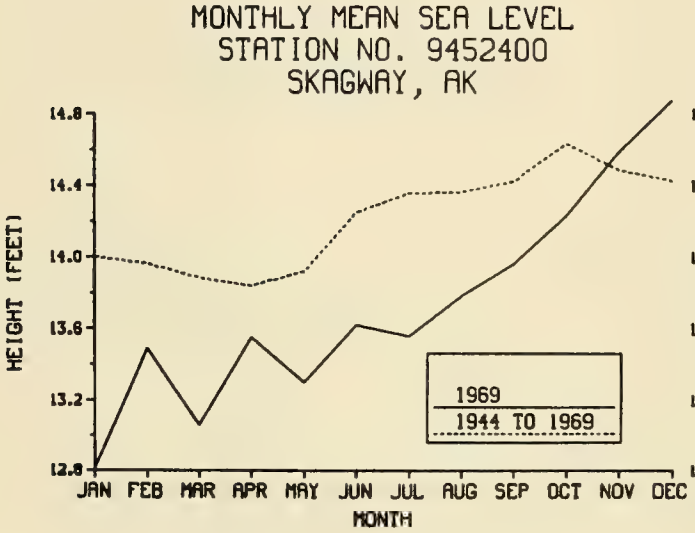

YEARLY MEAN SEA LEVEL
STATION NO. 9450460
KETCHIKAN, AK
15.3
14.9
14.5
14.1
13.7
13.3
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 9451600
SITKA, AK
HEIGHT (FEET)
10.9
10.5
10.1
9.7
9.3
8.9
1980
1938 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

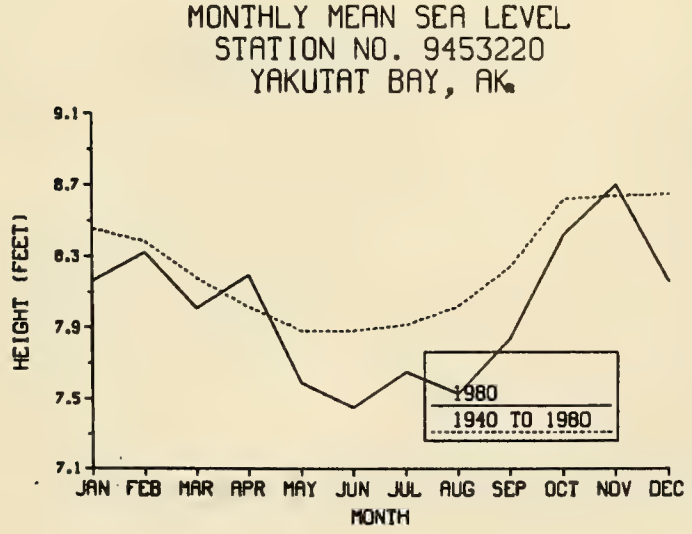

YEARLY MEAN SEA LEVEL
STATION NO. 9451600
SITKA, AK
10.9
10.5
10.1
9.7
9.3
8.9
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

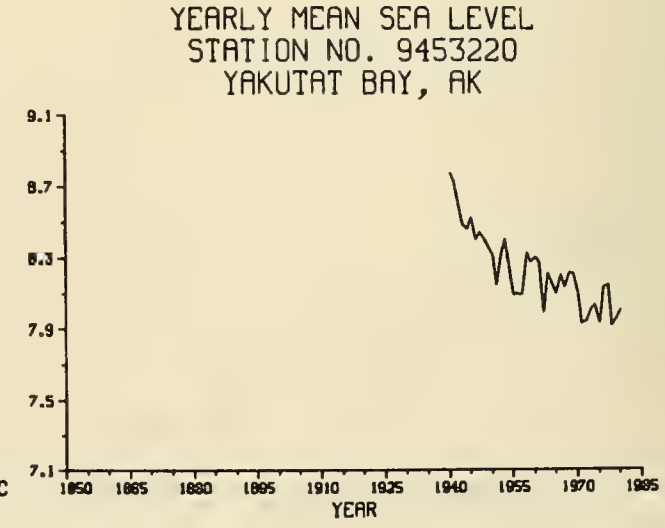

MONTHLY MEAN SEA LEVEL
STATION NO. 9452210
JUNEAU, AK
HEIGHT (FEET)
15.0
14.6
14.2
13.8
13.4
13.0
1980
1936 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

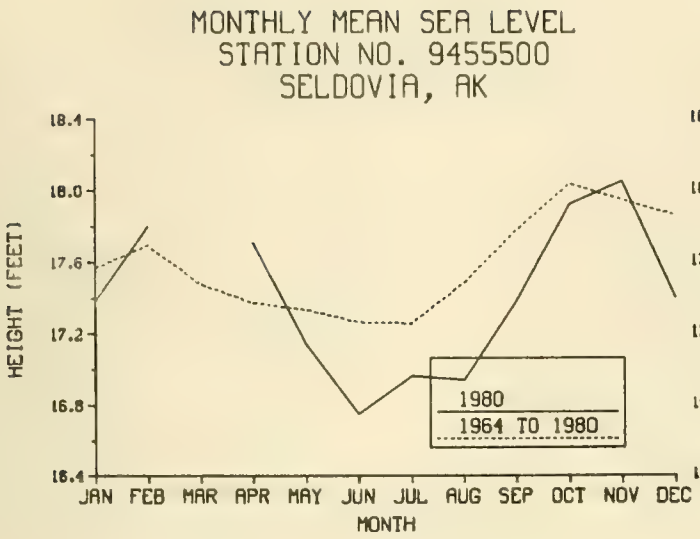

YEARLY MEAN SEA LEVEL
STATION NO. 9452210
JUNEAU, AK
15.0
14.6
14.2
13.8
13.4
13.0
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

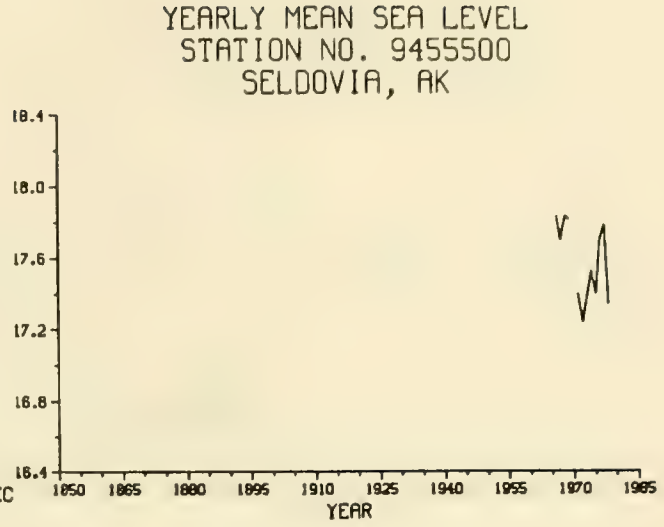

MONTHLY MEAN SEA LEVEL
STATION NO. 9452400
SKAGWAY, AK
HEIGHT (FEET)
14.8
14.4
14.0
13.6
13.2
12.8
1969
1944 TO 1969
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

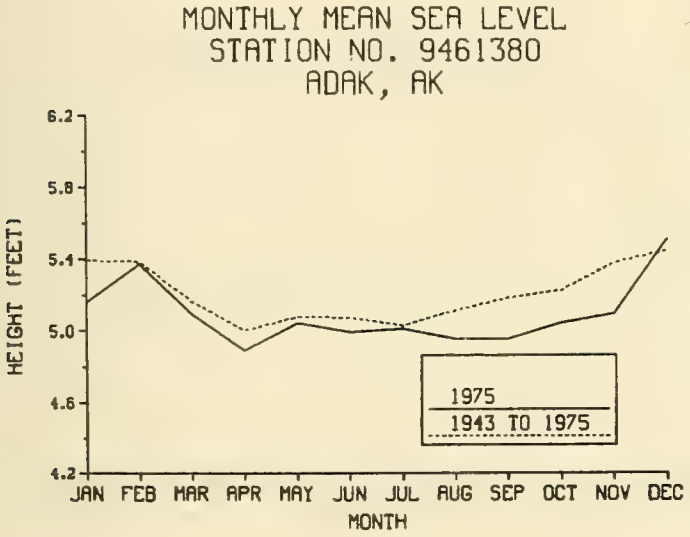
YEARLY MEAN SEA LEVEL
STATION NO. 9452400
SKAGWAY, AK
14.8
14.4
14.0
13.6
13.2
12.8
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

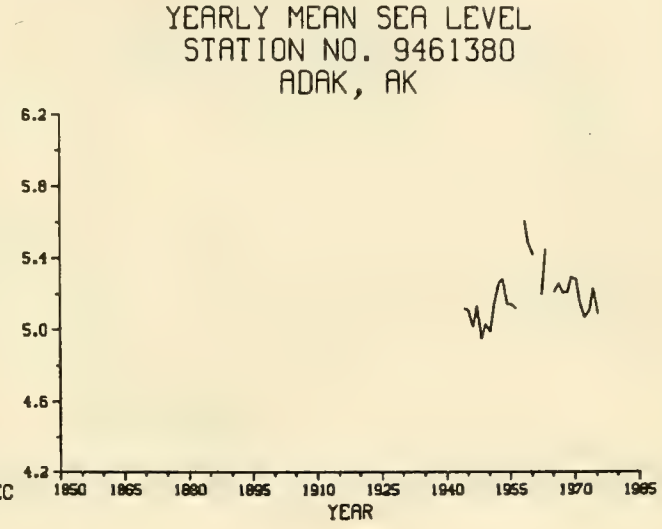

MONTHLY MEAN SEA LEVEL
STATION NO. 9453220
YAKUTAT BAY, AK
HEIGHT (FEET)
9.1
8.7
8.3
7.9
7.5
7.1
1980
1940 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH

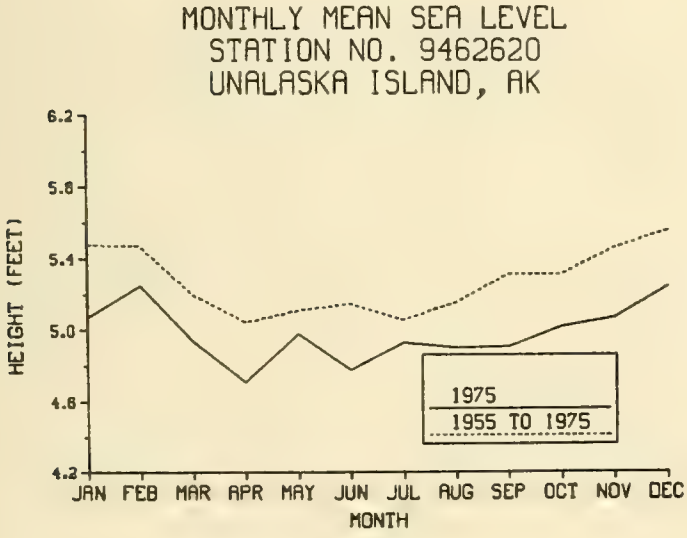

YEARLY MEAN SEA LEVEL
STATION NO. 9453220
YAKUTAT BAY, AK
9.1
8.7
8.3
7.9
7.5
7.1
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

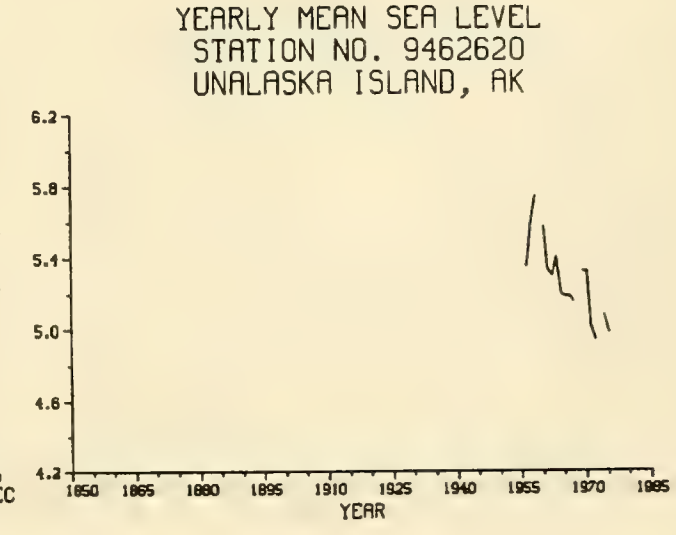

MONTHLY MEAN SEA LEVEL
STATION NO. 9455500
SELDOVIA, AK
HEIGHT (FEET)
18.4
18.0
17.6
17.2
16.8
16.4
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1980
1964 TO 1980


YEARLY MEAN SEA LEVEL
STATION NO. 9455500
SELDOVIA, AK
18.4
18.0
17.6
17.2
16.8
16.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

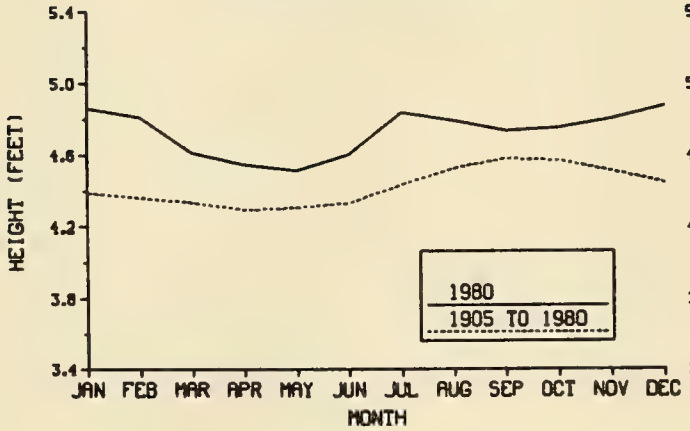

MONTHLY MEAN SEA LEVEL
STATION NO. 9461380
ADAK, AK
HEIGHT (FEET)
6.2
5.8
5.4
5.0
4.6
4.2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1975
1943 TO 1975


YEARLY MEAN SEA LEVEL
STATION NO. 9461380
ADAK, AK
6.2
5.8
5.4
5.0
4.6
4.2
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 9462620
UNALASKA ISLAND, AK
HEIGHT (FEET)
6.2
5.8
5.4
5.0
4.6
4.2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH
1975
1955 TO 1975

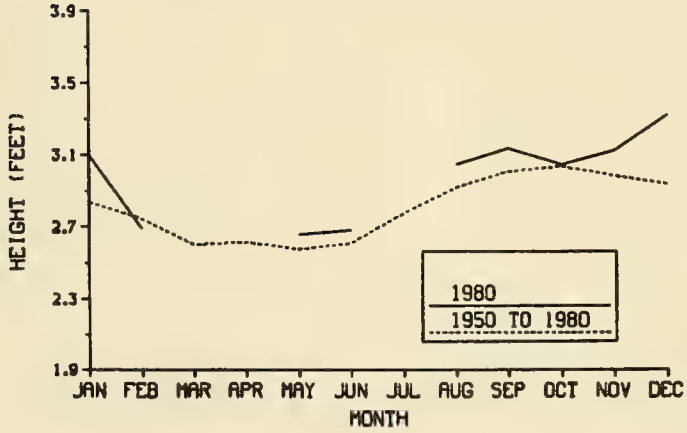

YEARLY MEAN SEA LEVEL
STATION NO. 9462620
UNALASKA ISLAND, AK
6.2
5.8
5.4
5.0
4.6
4.2
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

MONTHLY MEAN SEA LEVEL
STATION NO. 1612340
HONOLULU, OAHU, HI

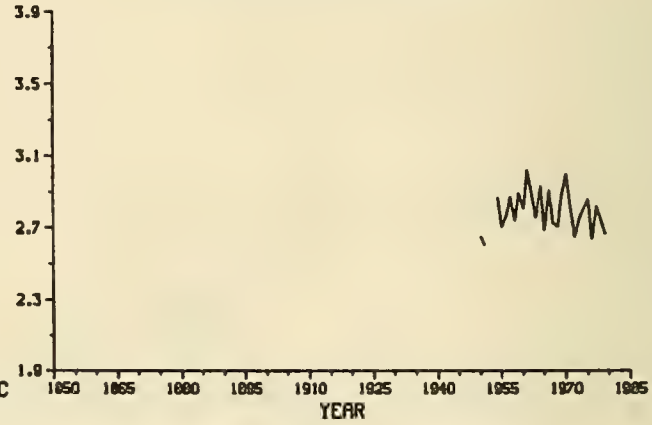


YEARLY MEAN SEA LEVEL
STATION NO. 1612340
HONOLULU, OAHU, HI

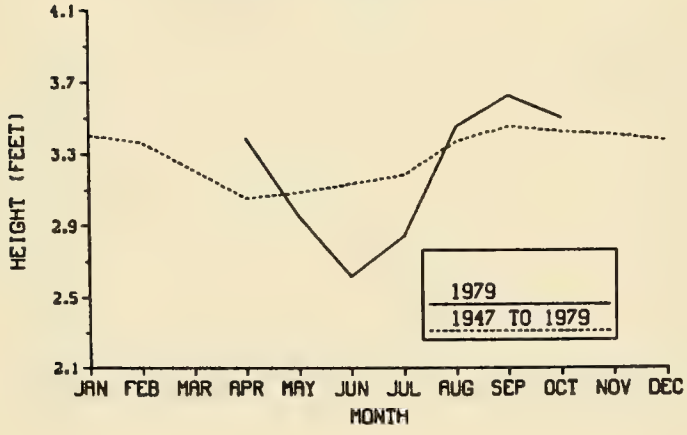
MONTHLY MEAN SEA LEVEL
STATION NO. 1619000
JOHNSTON ISLAND



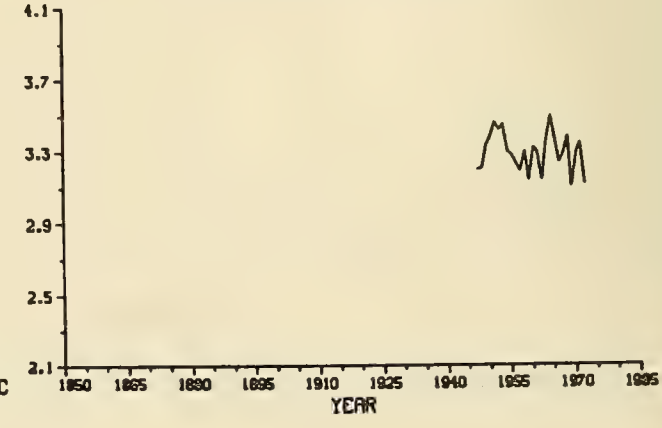
YEARLY MEAN SEA LEVEL
STATION NO. 1619000
JOHNSTON ISLAND



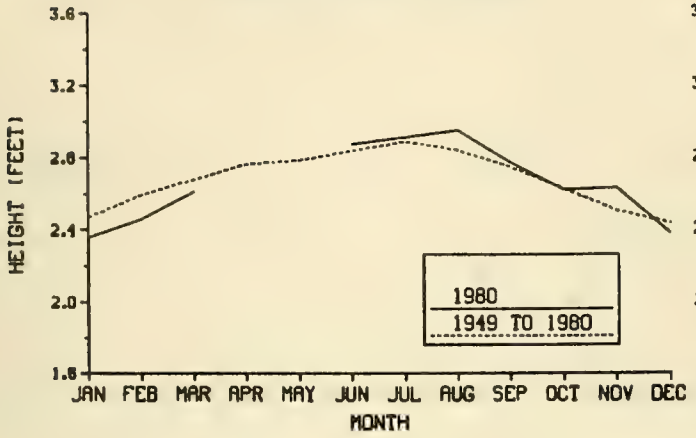
MONTHLY MEAN SEA LEVEL
STATION NO. 1619910
SAND ISLAND, MIDWAY



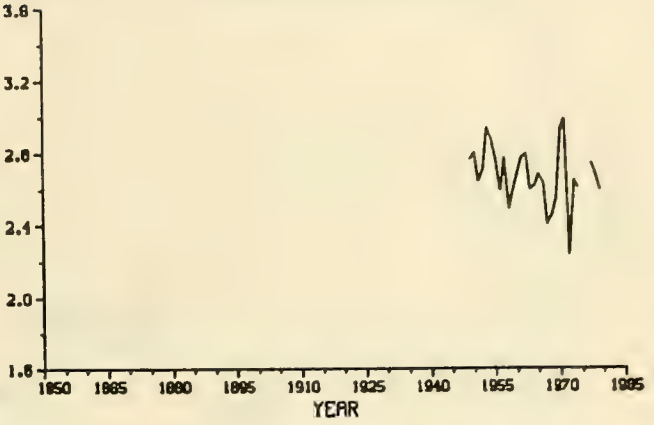
YEARLY MEAN SEA LEVEL
STATION NO. 1619910
SAND ISLAND, MIDWAY



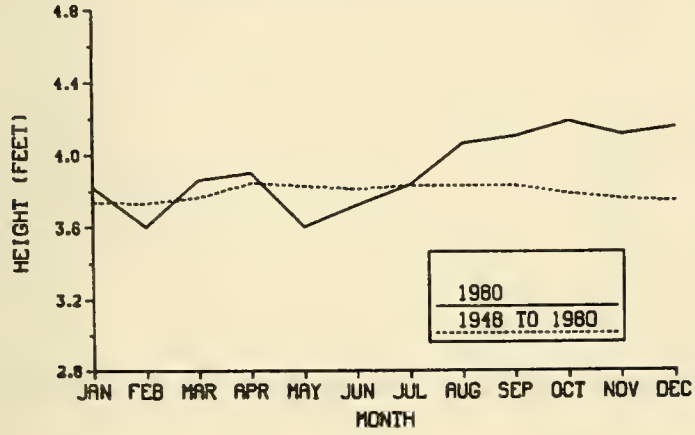
MONTHLY MEAN SEA LEVEL
STATION NO. 1630000
APRA HARBOR, GUAM



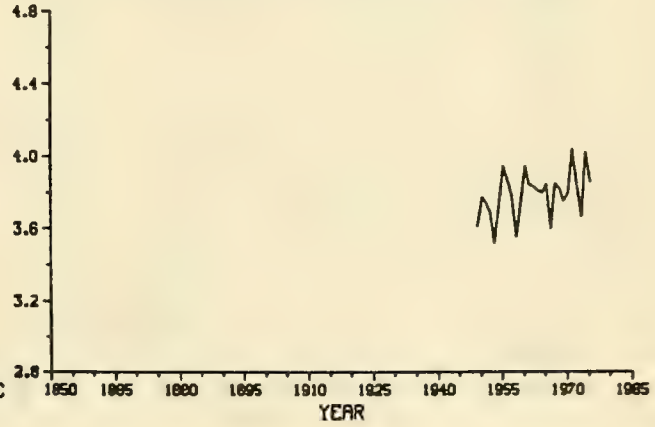
YEARLY MEAN SEA LEVEL
STATION NO. 1630000
APRA HARBOR, GUAM



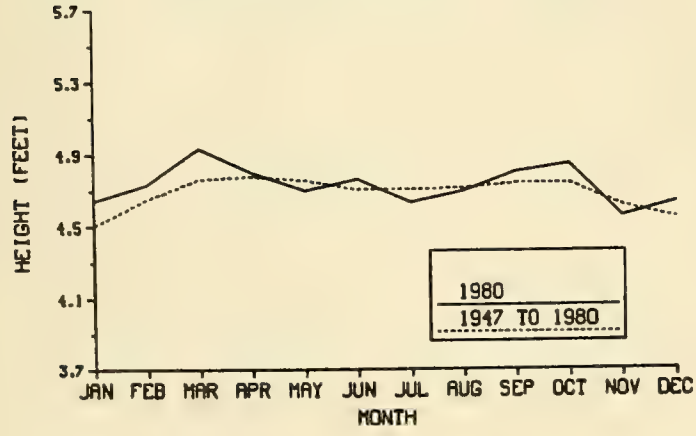
MONTHLY MEAN SEA LEVEL
STATION NO. 1770000
PAGO PAGO, AMERICAN SAMOA



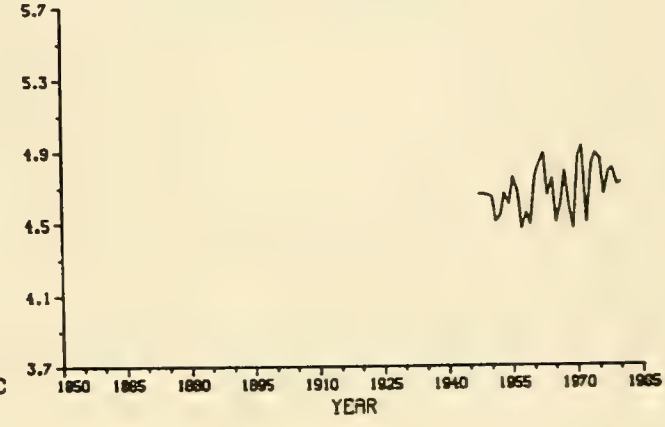
YEARLY MEAN SEA LEVEL
STATION NO. 1770000
PAGO PAGO, AMERICAN SAMOA

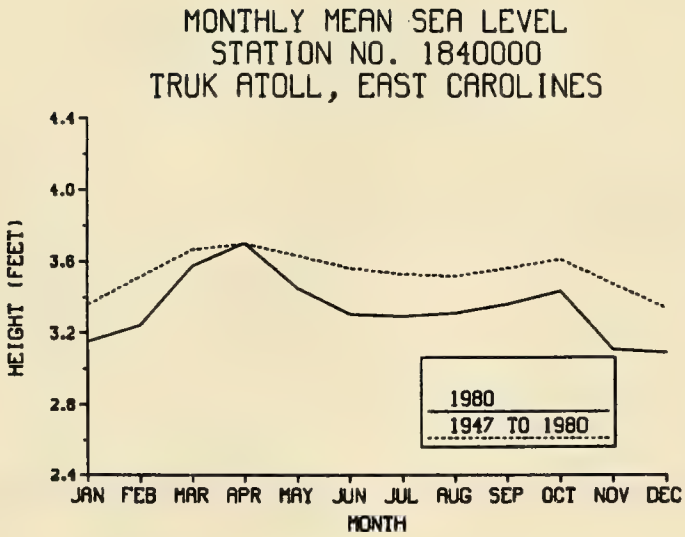


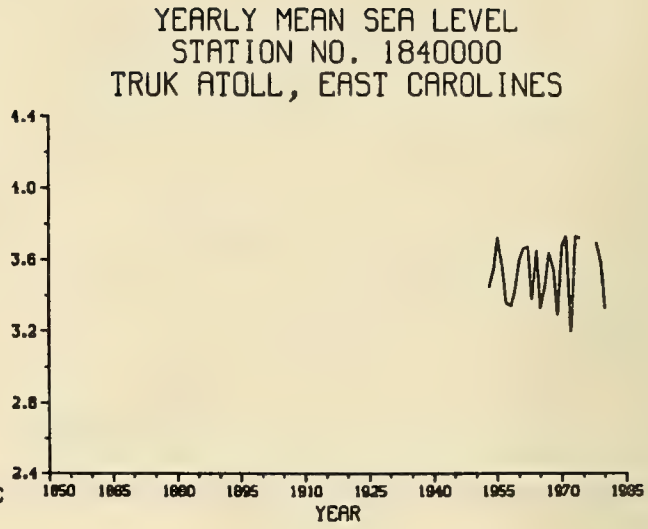
MONTHLY MEAN SEA LEVEL
STATION NO. 1820000
KWAJALEIN, MARSHALL ISLANDS

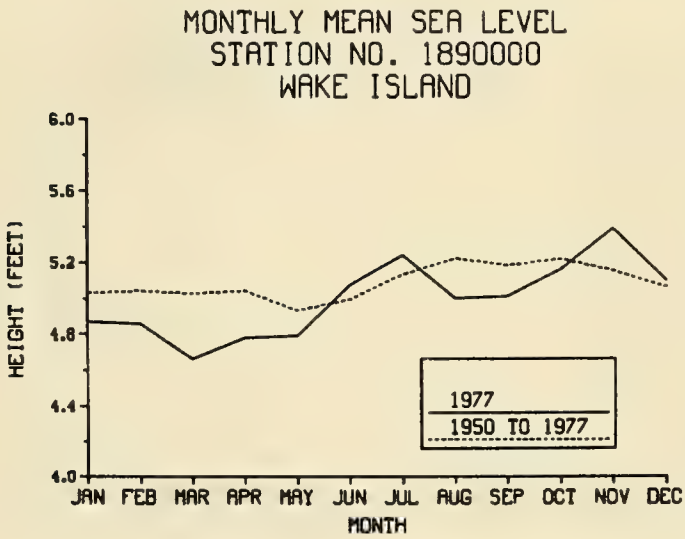


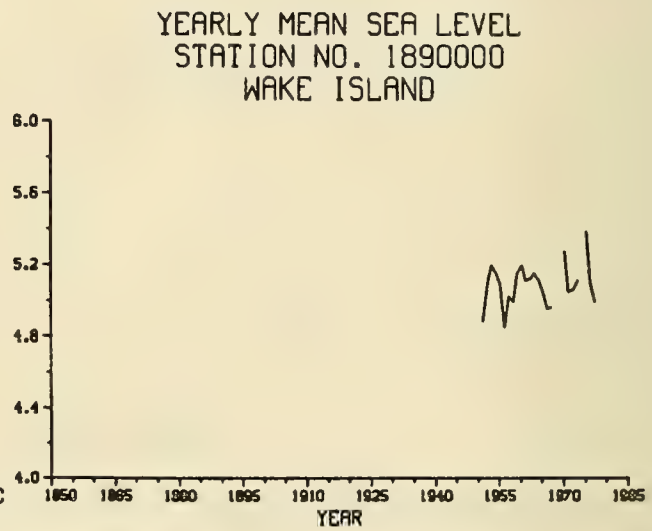
YEARLY MEAN SEA LEVEL
STATION NO. 1820000
KWAJALEIN, MARSHALL ISLANDS




MONTHLY MEAN SEA LEVEL
STATION NO. 1840000
TRUK ATOLL, EAST CAROLINES
HEIGHT (FEET)
4.4
4.0
3.6
3.2
2.8
2.4
1980
1947 TO 1980
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 1840000
TRUK ATOLL, EAST CAROLINES
4.4
4.0
3.6
3.2
2.8
2.4
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR


MONTHLY MEAN SEA LEVEL
STATION NO. 1890000
WAKE ISLAND
HEIGHT (FEET)
6.0
5.6
5.2
4.8
4.4
4.0
1977
1950 TO 1977
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTH


YEARLY MEAN SEA LEVEL
STATION NO. 1890000
WAKE ISLAND
6.0
5.6
5.2
4.8
4.4
4.0
1850 1865 1880 1895 1910 1925 1940 1955 1970 1985
YEAR

APPENDIX B

MONTHLY AND YEARLY MEAN SEA LEVEL DATA

RUN DATE 11/16/82

STATION NO. 8410140

EASTPORT,ME 44 54.2N 66 59.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1929										13.91	13.99	13.95	
1930	13.76	13.97	14.01	13.86	14.00	13.88	14.11	14.04	14.05	14.28	13.94	13.97	13.99
1931	14.06	13.94	14.37	14.08	14.03	14.19	14.14	14.06	14.17	14.22	13.99	14.06	14.11
1932	14.07	14.18	14.28	14.14	14.03	14.23	14.26	14.00	14.18	14.11	14.14	14.09	14.14
1933	14.33	14.18	14.13	14.11	14.23	14.27	14.16	14.21	14.28	14.07	14.23	14.03	14.19
1934	14.08	14.00	13.88	14.13	14.01	14.22	14.14	14.07	13.90	14.11	13.91	14.13	14.05
1935	13.94	13.87	14.02	14.14	14.18	14.14	14.08	14.05	14.04	14.05	14.33	14.50	14.11
1936	14.31	14.14	14.16	14.09	14.02	14.07	14.22	13.95	14.00	14.20	14.08	13.84	14.09
1937	13.95	14.39	14.09	14.10	14.17	14.14	14.23	14.02	14.10	14.11	14.19	14.12	14.13
1938	14.21	14.05	14.15	14.08	14.20	14.07	14.02	14.11	14.01	14.16	14.02	14.11	14.10
1939	14.05	13.96	14.01	14.20	14.13	14.15	14.12	14.08	14.16	14.15	14.09	14.28	14.12
1940	14.16	14.37	14.13	14.17	14.36	14.28	14.10	13.93	14.11	14.12	14.14	14.10	14.16
1941	14.20	14.08	14.09	14.12	14.30	14.28	14.16	14.25	14.23	14.23	14.14	14.07	14.18
1942	13.96	14.34	14.25	14.25	14.08	14.29	14.15	14.11	14.15	14.12	14.13	14.11	14.16
1943	13.86	14.08	13.87	14.06	14.02	14.21	14.12	14.23	14.04	14.31	14.18	13.98	14.08
1944	14.01	14.02	13.92	14.15	14.01	14.23	14.20	14.14	14.10	14.09	14.49	14.06	14.12
1945	14.19	14.05	14.15	14.29	14.40	14.36	14.31	14.21	14.28	14.46	14.65	14.60	14.33
1946	14.42	14.36	14.30	14.48	14.30	14.30	14.23	14.28	14.18	14.39	14.43	14.34	14.33
1947	14.16	14.49	14.58	14.20	14.36	14.41	14.35	14.25	14.19	14.22	14.67	14.29	14.35
1948	14.12	14.09	14.19	14.13	14.32	14.37	14.41	14.30	14.20	14.34	14.34	14.45	14.27
1949	14.12	14.17	14.00	14.24	14.16	14.11	14.24	14.32	14.26	14.24	14.41	14.08	14.20
1950	13.98	14.12	13.96	14.11	13.97	14.18	14.11	14.19	14.32	14.28	14.55	14.51	14.19
1951	14.12	14.06	14.34	14.26	14.35	14.32	14.27	14.24	14.29	14.27	14.32	14.21	14.25
1952	14.13	14.31	14.26	14.13	14.44	14.32	14.13	14.16	14.22	14.18	14.29	14.46	14.25
1953	14.37	14.12	14.17	14.34	14.30	14.19	14.13	14.22	14.26	14.22	14.30	14.39	14.25
1954	14.21	14.19	14.25	14.02	14.35	14.23	14.27	14.27	14.26	14.30	14.28	14.41	14.25
1955	14.35	14.00	14.25	14.34	14.27	14.24	14.18	14.17	14.06	14.25	14.38	14.03	14.21
1956	14.30	14.14	14.25	14.35	14.26	14.30	14.32	14.41	14.30	14.18	14.33	14.25	14.28
1957	14.10	14.13	14.32	14.16	14.38	14.41							
1958										14.42	14.49	14.18	
1959	14.35	14.09	14.25	14.31	14.11	14.30	14.12	14.29	14.21	14.34	14.28	14.45	14.26
1960	14.38	14.65	14.62	14.49	14.52	14.53	14.33	14.37	14.30	14.35	14.35	14.15	14.42
1961	14.27	14.37	14.56	14.71	14.51	14.45	14.40	14.22	14.37	14.55	14.63	14.50	14.46
1962	14.11	14.14	14.49	14.31	14.28	14.34	14.38	14.24	14.24	14.47	14.40	14.49	14.32
1963	14.33	14.00	14.20	14.26	14.14	14.30	14.24	14.30	14.05	14.28	14.56	14.21	14.24
1964	14.28	14.41	14.46	14.06	14.40	14.60	14.51	14.44	14.20	14.35	14.48	14.22	14.37
1965	14.47	14.32	14.25	14.49	14.53	14.52	14.45	14.36	14.43	14.68	14.63	14.55	14.47
1966	14.82	14.52	14.61	14.46	14.63	14.46	14.70	14.24	14.67	14.30	14.30	14.39	14.51
1967	14.46	14.42	14.39	14.54	14.50	14.45	14.69	14.28	14.41	14.40	14.57	14.53	14.47
1968	14.36	14.58	14.57	13.99	14.39	14.26	14.61	14.73	14.45	14.59	14.77	15.02	14.53
1969	14.69	14.32	14.27	14.45	14.62	14.57	14.37	14.41	14.33	14.46	14.80	14.83	14.51
1970	14.71	14.61	14.78	14.71	14.57	14.67	14.53	14.69	14.55	14.47	14.75	14.89	14.66
1971	14.74	14.51	14.65	14.64	14.64	14.60	14.44	14.47	14.48	14.63	14.83	14.54	14.60
1972	14.52	14.68	14.61	14.65	14.66	14.68	14.56	14.70	14.73	14.47	14.66	14.65	14.63
1973	14.60	14.44	14.53	14.62	14.48	14.35	14.45	14.52	14.39	14.39	14.31	14.31	14.45
1974	14.42	14.27	14.36	14.46	14.44	14.50	14.58	14.38	14.26	14.12	14.40	14.36	14.38

RUN DATE 11/16/82

STATION NO. 8410140

EASTPORT,ME 44 54.2N 66 59.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1975	14.30	14.44	14.52	14.64	14.56	14.57	14.42	14.47	14.34	14.49	14.58	14.36	14.47
1976	14.46												
1977			14.66	14.47	14.49	14.67	14.62	14.42	14.34	14.53	14.55		
1978	14.50			14.69	14.47	14.26	14.32				14.55		
1979	14.56	14.55	14.24	14.45	14.25	14.28	14.30	14.31	14.33	14.44	14.30	14.36	14.36

RUN DATE 11/16/82

STATION NO. 8418150

PORTLAND,ME 43 39.4N 70 14.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1912	12.72	12.87	12.73	13.07	13.14	13.24	13.32	13.36	13.36	13.14	13.16	12.85	13.08
1913	12.87	12.86	12.64	12.98	13.00	13.21	13.17	13.14	13.01	13.32	13.07	13.09	13.03
1914	13.28	12.81	13.00	12.92	13.07	13.01	13.23	13.19	13.29	13.18	13.12	13.03	13.09
1915	12.96	13.06	13.18	12.92	13.31	13.12	13.29	13.23	13.21	13.17	13.22	13.32	13.17
1916	12.94	13.02	13.07	13.25	13.28	13.39	13.11	13.27	13.16	12.98	13.08	13.01	13.13
1917	13.01	12.97	13.05	13.01	13.42	13.28	13.23	13.22	13.08	13.29	13.11	13.02	13.14
1918	13.30	13.03	13.06	13.12	13.05	13.23	13.18	13.07	13.15	13.08	13.20	13.25	13.14
1919	12.96	13.17	13.08	13.22	13.32	13.24	13.33	13.32	13.29	13.20	13.55	13.10	13.23
1920	13.07	13.04	12.80	13.38	13.15	13.31	13.23	13.16	13.25	13.40	13.21	13.30	13.19
1921	13.25	13.13	12.90	13.09	13.33	13.23	13.17	12.95	13.16	13.22	13.21	13.04	13.14
1922	12.62	12.85	13.00	13.18	12.95	13.10	13.05	13.10	13.04	13.20	13.18	12.96	13.02
1923	13.27	13.06	13.01	13.11	13.12	13.16	13.00	12.98	12.89	13.04	13.20	13.01	13.07
1924	12.76	13.03	13.37	13.17	13.22	13.18	13.06	13.18	13.09	13.09	13.03	12.82	13.08
1925	12.98	12.88	12.87	12.98	13.10	13.10	13.11	12.99	13.06	13.06	12.97	12.88	13.00
1926	12.71	13.02	12.71	12.85	12.99	13.05	13.09	13.16	13.07	13.19	12.89	13.03	12.98
1927	12.78	13.07	12.98	13.01	13.12	13.25	13.06	13.14	13.04	13.23	13.20	13.29	13.10
1928	12.86	12.80	12.96	12.85	13.09	13.20	13.13	13.21	13.23	13.07	13.05	12.76	13.02
1929	12.66	12.91	13.09	13.27	12.90	13.23	13.07	13.00	13,02	13.01	12.98	12.80	13.00
1930	12.78	12.79	12.86	12.84	13.05	13.04	13.25	13.06	13.10	13.28	12.80	12.89	12.98
1931	12.89	12.85	13.41	13.16	13.07	13.33	13.21	13.15	13.18	13.13	12.83	12.85	13.09
1932	13.02	13.03	13.12	13.04	12.94	13.17	13.31	13.21	13.31	13.03	13.27	13.01	13.12
1933	13.22	13.00	13.18	13.27	13.26	13.34	13.31	13.22	13.29	13.10	13.11	12.95	13.19
1934	12.95	12.76	12.70	13.10	12.99	13.26	13.24	13.10	13.13	13.23	12.95	13.01	13.04
1935	13.07	12.84	12.99	13.31	13.17	13.38	13.15	13.17	13.12	13.04	13.32	13.26	13.15
1936	13.16	13.06	13.17	13.13	13.10	13.21	13.35	13.16	13.15	13.20	13.01	12.87	13.13
1937	12.88	13.34	12.98	13.13	13.31	13.29	13.29	13.14	13.12	13.11	13.15	13.03	13.15
1938	13.15	13.07	13.22	13.13	13.31	13.23	13.20	13.29	13.16	13.29	13.15	13.04	13.19
1939	12.93	12.87	12.95	13.11	13.16	13.22	13.21	13.22	13.21	13.20	12.99	13.16	13.10
1940	13.05	13.35	13.15	13.24	13.46	13.42	13.24	13.13	13.19	13.19	13.12	13.11	13.22
1941	13.17	13.11	13.05	13.14	13.31	13.34	13.28	13.28	13.20	13.18	13.08	13.04	13.18
1942	12.98	13.26	13.23	13.29	13.23	13.39	13.31	13.20	13.27	13.19	13.19	13.07	13.22
1943	12.84	12.97	12.83	13.09	13.10	13.31	13.28	13.39	13.24	13.49	13.39	12.96	13.16
1944	13.03	12.99	12.93	13.19	13.12	13.41	13.35	13.30	13.28	13.21	13.60	13.10	13.21
1945	13.12	13.02	13.21	13.23	13.46	13.36	13.27	13.25	13.21	13.36	13.43	13.46	13.28
1946	13.17	13.20	13.23	13.45	13.34	13.42	13.33	13.46	13.37	13.43	13.46	13.27	13.34
1947	13.19	13.56	13.63	13.30	13.45	13.59	13.44	13.36	13.33	13.26	13.67	13.19	13.41
1948	13.20	13.16	13.28	13.23	13.54	13.55	13.56	13.41	13.34	13.47	13.43	13.50	13.39
1949	13.29	13.28	13.09	13.36	13.33	13.21	13.34	13.36	13.29	13.25	13.32	12.82	13.24
1950	12.97	13.13	12.90	13.23	13.09	13.24	13.23	13.28	13.37	13.33	13.55	13.45	13.23
1951	13.16	13.12	13.64	13.46	13.49	13.48	13.40	13.45	13.37	13.45	13.39	13.26	13.39
1952	13.37	13.38	13.40	13.33	13.66	13.54	13.32	13.35	13.33	13.23	13.30	13.53	13.40
1953	13.52	13.14	13.47	13.49	13.56	13.35	13.30	13.40	13.35	13.35	13.36	13.20	13.37
1954	13.31	13.43	13.39	13.20	13.73	13.58	13.49	13.38	13.48	13.49	13.37	13.31	13.43
1955	13.47	13.21	13.24	13.51	13.50	13.56	13.45	13.46	13.31	13.57	13.44	13.11	13.40
1956	13.45	13.13	13.26	13.50	13.32	13.44	13.50	13.54	13.40	13.24	13.36	13.26	13.37
1957	12.98	13.09	13.40	13.13	13.33	13.39	13.48	13.31	13.33	13.37	13.40	13.21	13.28

RUN DATE 11/16/82

STATION NO. 8418150

PORTLAND,ME 43 39.4N 70 14.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1958	13.45	13.48	13.78	13.71	13.42	13.40	13.49	13.47	13.51	13.50	13.39	13.18	13.48
1959	13.27	12.99	13.20	13.35	13.20	13.45	13.17	13.41	13.30	13.44	13.29	13.33	13.28
1960	13.34	13.69	13.43	13.54	13.67	13.52	13.39	13.48	13.33	13.44	13.31	13.14	13.44
1961	13.24	13.39	13.59	13.83	13.49	13.29	13.36	13.27	13.36	13.52	13.55	13.41	13.44
1962	13.01	13.17	13.48	13.25	13.35	13.33	13.55	13.31	13.28	13.53	13.43	13.40	13.34
1963	13.15	12.90	13.24	13.33	13.20	13.33	13.36	13.28	13.21	13.21	13.62	13.16	13.25
1964	13.29	13.11	13.16	12.93	13.23	13.29	13.26	13.31	13.32	13.32	13.44	13.23	13.24
1965	13.22	13.23	13.13	13.28	13.30	13.37	13.26	13.17	13.26	13.37	13.41	13.22	13.27
1966	13.51	13.26	13.35	13.25	13.36	13.35	13.45	13.39	13.41	13.12	13.25	13.15	13.32
1967	13.22	13.17	13.15	13.47	13.55	13.40	13.43	13.32	13.28	13.23	13.16	13.29	13.31
1968	12.99	13.19	13.26	13.27	13.55	13.65	13.41	13.86	13.52	13.40	13.57	13.35	13.42
1969	13.23	13.61	13.58	13.55	13.60	13.64	13.54	13.60	13.53	13.62	13.68	13.73	13.58
1970	13.55	13.41	13.44	13.56	13.48	13.66	13.60	13.73	13.68	13.66	13.88	13.92	13.63
1971	13.59	13.49	13.65	13.71	13.75	13.67	13.53	13.51	13.56	13.66	13.71	13.31	13.60
1972	13.28	13.42	13.56	13.62	13.66	13.74	13.61	13.49	13.62	13.46	13.65	13.48	13.55
1973	13.20	13.12	13.37	13.50	13.49	13.45	13.52	13.50	13.48	13.46	13.19	13.21	13.37
1974	13.23	13.30	12.95	13.43	13.41	13.37	13.51	13.26	13.49	13.13	13.43	13.37	13.32
1975	13.22	13.26	13.36	13.44	13.41	13.52	13.48	13.53	13.40	13.74	13.76	13.56	13.47
1976	13.49	13.41	13.43	13.68	13.56	13.56	13.80	13.68	13.75	13.60	13.60	13.39	13.58
1977	13.47	13.38	13.64	13.46	13.75	13.88	13.65	13.68	13.82	13.74	13.65	13.71	13.65
1978	13.55	13.82	13.39	13.68	13.61	13.61	13.62	13.75	13.68	13.52	13.51	13.50	13.60
1979	13.66	13.40	13.35	13.57	13.51	13.55	13.61	13.64	13.50	13.58	13.36	13.23	13.50
1980	13.26	13.38	13.27	13.48	13.69	13.62	13.61	13.57	13.46	13.46	13.48	13.24	13.46

RUN DATE 11/16/82

STATION NO. 8419870
SEAVEY IS,ME(PORTSMOUTH,NH) 43 04.9N 70 44.7W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1926									6.21	6.36	6.08	6.18	
1927	6.00	6.31	6.21	6.19	6.35	6.39	6.27	6.36	6.36	6.41	6.35	6.50	6.31
1928	6.09	5.98	6.21	6.13	6.37	6.42	6.37	6.36	6.35	6.20	6.13	5.97	6.22
1929	5.86	6.16	6.32	6.58	6.14	6.41	6.23	6.26	6.26	6.12	6.12	6.01	6.21
1930	5.91	6.02	6.13	6.04	6.26	6.15	6.35	6.33	6.32	6.50	6.05	6.17	6.19
1931	6.17	6.07	6.62	6.32	6.34	6.62	6.46	6.44	6.43	6.38	6.09	6.15	6.34
1932	6.32	6.33	6.37	6.34	6.13	6.35	6.43	6.33	6.49	6.26	6.51	6.29	6.35
1933	6.47	6.22	6.41	6.54	6.46	6.52	6.47	6.45	6.54	6.38	6.29	6.22	6.41
1934	6.15	5.99	5.93	6.40	6.23	6.52	6.40	6.26	6.39	6.50	6.22	6.25	6.27
1940	6.26	6.61	6.37	6.50	6.58	6.59	6.41	6.28	6.35	6.40	6.31	6.29	6.41
1941	6.47	6.38	6.28	6.37	6.53	6.57	6.49	6.51	6.44	6.43	6.34	6.30	6.43
1942													6.44
1943	6.13	6.21	6.16	6.41	6.42	6.60	6.54	6.66	6.52	6.67	6.59	6.13	6.42
1944	6.22	6.16	6.19	6.45	6.32	6.58	6.54	6.49	6.46	6.46	6.83	6.37	6.42
1945	6.38	6.33	6.56	6.49	6.78	6.66	6.53	6.49	6.49	6.57	6.77	6.78	6.57
1946	6.37	6.36	6.44	6.66	6.55	6.53	6.45	6.60	6.43	6.53	6.49	6.32	6.48
1947	6.26	6.56	6.74	6.39	6.61	6.70	6.56	6.48	6.37	6.34	6.77	6.26	6.50
1948	6.26	6.19	6.40	6.34	6.65	6.71	6.69	6.51	6.45	6.61	6.47	6.59	6.49
1949	6.45	6.44	6.29	6.51	6.44	6.31	6.45	6.52	6.39	6.38	6.54	5.98	6.39
1950	6.14	6.23	6.08	6.43	6.20	6.32	6.34	6.40	6.56	6.46	6.71	6.60	6.37
1951	6.37	6.35	6.79	6.61	6.69	6.69	6.52	6.56	6.46	6.51	6.61	6.38	6.54
1952	6.48	6.60	6.64	6.57	6.79	6.61	6.41	6.38	6.42	6.37	6.44	6.66	6.53
1953	6.67	6.37	6.63	6.69	6.73	6.52	6.46	6.48	6.50	6.48	6.53	6.37	6.54
1954	6.45	6.52	6.51	6.32	6.93	6.68	6.60	6.57	6.63	6.61	6.53	6.52	6.57
1955	6.64	6.33	6.45	6.78	6.64	6.73	6.58	6.58	6.34	6.67	6.69	6.18	6.55
1956	6.70	6.32	6.51	6.70	6.41	6.62	6.60	6.67	6.57	6.44	6.55	6.46	6.55
1957	6.16	6.27	6.60	6.28	6.52	6.48	6.61	6.45	6.41	6.52	6.52	6.35	6.43
1958	6.76	6.68	7.03	6.94	6.55	6.58	6.51	6.54	6.60	6.64	6.51	6.33	6.64
1959	6.36	6.11	6.37	6.50	6.31	6.60	6.42	6.54	6.47	6.61	6.49	6.59	6.45
1960	6.52	6.77	6.72	6.81	6.96	6.78	6.66	6.68	6.58	6.65	6.52	6.29	6.66
1961	6.31	6.45	6.70	6.99	6.62	6.48	6.58	6.39	6.48	6.69	6.62	6.53	6.57
1962	6.19	6.37	6.71	6.45	6.55	6.51	6.54	6.56	6.53	6.70	6.72	6.64	6.54
1963	6.36	6.11	6.44	6.58	6.43	6.53	6.55	6.50	6.47	6.40	6.84	6.38	6.47
1964	6.47	6.51	6.50	6.17	6.46	6.45	6.44	6.52	6.44	6.54	6.55	6.34	6.45
1965	6.39	6.42	6.43	6.58	6.52	6.56	6.43	6.40	6.41	6.53	6.56	6.40	6.47
1966	6.72	6.50	6.60	6.60	6.52	6.55	6.68	6.58	6.70	6.36	6.52	6.44	6.56
1967	6.51	6.34	6.43	6.83	6.80	6.57	6.61	6.49	6.48	6.45	6.44	6.55	6.54
1968	6.16	6.48	6.64	6.49	6.81	6.92	6.52	6.54	6.53	6.52	6.77	6.52	6.58
1969	6.29	6.76	6.62	6.54	6.55	6.71	6.70	6.74	6.82	6.76	6.84	6.85	6.68
1970	6.71	6.55	6.59	6.72	6.52	6.66	6.62	6.78	6.68	6.66	6.90	6.94	6.69
1971	6.63	6.54	6.69	6.76	6.78	6.69	6.58	6.54	6.56	6.71	6.79	6.39	6.64
1972	6.33	6.48	6.66	6.74	6.76	6.83	6.71	6.65	6.75	6.59	6.89	6.81	6.68
1973	6.69	6.66	6.81	6.92			6.74	6.74	6.66	6.64	6.51	6.57	
1974	6.58	6.50	6.29	6.61	6.71	6.73	6.77	6.51	6.66	6.34	6.63	6.64	6.58
1975	6.44	6.47	6.56	6.73	6.65	6.73	6.66	6.73	6.54	6.76	6.74	6.60	6.63
1976	6.51	6.48	6.55	6.69	6.52	6.56	6.75	6.65	6.71	6.66	6.41	6.14	6.55

RUN DATE 11/16/82

STATION NO. 8419870
SEAVEY IS,ME(PORTSMOUTH,NH) 43 04.9N 70 44.7W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1977	6.47	6.38	6.67	6.42	6.70	6.81	6.60	6.63	6.81	6.84	6.65	6.81	6.65
1978	6.62	6.89	6.29	6.65	6.52	6.44	6.42			6.40	6.39	6.41	
1979	6.77	6.49	6.48	6.68	6.63	6.58	6.60	6.72	6.36	6.64	6.37	6.31	6.55
1980	6.28	6.42	6.28	6.53	6.73	6.60	6.59	6.59	6.47	6.54	6.48	6.24	6.48

RUN DATE 11/16/82

STATION NO. 8443970

BOSTON,MA 42 21.3N 71 03.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1921	8.28	8.15	7.93	8.12	8.38	8.30	8.24	8.05	8.17	8.13	8.29	8.10	8.18
1922	7.76	7.85	8.02	8.11	8.09	8.20	8.22	8.21	8.18	8.22	8.22	8.03	8.09
1923	8.14	7.96	7.96	8.09	8.09	8.23	8.06	8.02	7.98	8.10	8.26	8.04	8.08
1924	7.75	8.11	8.44	8.18	8.26	8.19	8.08	8.17	8.12	8.13	8.06	7.74	8.10
1925	7.97	7.82	7.79	8.01	8.10	8.11	8.11	8.11	8.18	8.09	8.01	8.01	8.03
1926	7.77	8.22	7.81	7.97	8.07	8.07	8.14	8.23	8.15	8.25	7.96	8.09	8.06
1927	7.90	8.24	8.03	8.05	8.21	8.25	8.14	8.22	8.19	8.26	8.21	8.33	8.17
1928	7.91	7.80	8.00	7.91	8.20	8.25	8.21	8.25	8.27	8.09	8.07	7.85	8.07
1929	7.70	8.05	8.11	8.42	7.92	8.30	8.09	8.16	8.20	8.09	8.07	8.01	8.09
1930	7.86	7.90	7.93	7.88	8.07	8.02	8.19	8.22	8.23	8.50	7.99	8.15	8.08
1931	8.10	8.05	8.58	8.12	8.20	8.49	8.36	8.35	8.33	8.30	7.99	8.05	8.24
1932	8.20	8.24	8.25	8.15	8.00	8.24	8.29	8.21	8.34	8.18	8.41	8.13	8.22
1933	8.42	8.05	8.25	8.35	8.33	8.43	8.36	8.35	8.47	8.32	8.20	8.11	8.30
1934	8.02	7.83	7.77	8.19	8.01	8.36	8.24	8.14	8.28	8.40	8.09	8.07	8.12
1935	8.14	7.91	8.06	8.45	8.19	8.41	8.26	8.31	8.22	8.15	8.55	8.32	8.25
1936	8.22	8.11	8.25	8.16	8.14	8.27	8.42	8.22	8.26	8.25	8.10	7.90	8.19
1937	7.92	8.45	8.06	8.29	8.39	8.37	8.42	8.24	8.34	8.32	8.32	8.26	8.28
1938	8.33	8.19	8.32	8.19	8.40	8.31	8.28	8.41	8.31	8.54	8.25	8.28	8.32
1939	8.17	8.04	8.19	8.32	8.43	8.48	8.39	8.40	8.42	8.39	8.30	8.35	8.32
1940	8.15	8.51	8.19	8.34	8.55	8.49	8.34	8.24	8.33	8.37	8.25	8.26	8.34
1941	8.37	8.23	8.24	8.31	8.45	8.50	8.40	8.44	8.37	8.32	8.28	8.28	8.35
1942	8.14	8.34	8.42	8.39	8.39	8.53	8.42	8.44	8.55	8.43	8.42	8.26	8.39
1943	8.14	8.20	8.05	8.24	8.27	8.44	8.44	8.50	8.48	8.73	8.54	8.06	8.34
1944	8.20	8.10	8.11	8.28	8.24	8.54	8.45	8.44	8.43	8.45	8.87	8.22	8.36
1945	8.35	8.29	8.48	8.42	8.68	8.64	8.48	8.50	8.47	8.51	8.79	8.77	8.53
1946	8.28	8.33	8.37	8.54	8.47	8.42	8.38	8.61	8.46	8.49	8.45	8.28	8.42
1947	8.20	8.44	8.58	8.29	8.50	8.61	8.50	8.44	8.41	8.32	8.80	8.26	8.45
1948	8.26	8.24	8.34	8.29	8.59	8.67	8.65	8.50	8.46	8.67	8.49	8.56	8.48
1949	8.29	8.20	8.20	8.39	8.38	8.27	8.38	8.47	8.30	8.35	8.49	7.94	8.30
1950	8.01	8.17	7.93	8.25	8.06	8.21	8.32	8.37	8.57	8.46	8.69	8.54	8.30
1951	8.32	8.25	8.64	8.47	8.67	8.64	8.46	8.52	8.47	8.54	8.50	8.30	8.48
1952	8.40	8.56	8.55	8.43	8.75	8.53	8.39	8.38	8.44	8.33	8.45	8.56	8.48
1953	8.59	8.24	8.47	8.60	8.65	8.49	8.43	8.50	8.41	8.51	8.53	8.30	8.48
1954	8.42	8.48	8.40	8.17	8.61	8.60	8.48	8.52	8.49	8.61	8.49	8.41	8.47
1955	8.55	8.21	8.30	8.71	8.54	8.64	8.44	8.62	8.35	8.67	8.62	8.15	8.48
1956	8.66	8.24	8.51	8.52	8.31	8.55	8.51	8.63	8.57	8.46	8.52	8.42	8.49
1957	8.08	8.21	8.48	8.18	8.47	8.46	8.51	8.40	8.34	8.53	8.52	8.26	8.37
1958	8.77	8.64	9.03	8.81	8.46	8.51	8.54	8.48	8.58	8.66	8.50	8.24	8.60
1959	8.27	8.03	8.27	8.42	8.28	8.51	8.23	8.51	8.46	8.58	8.37	8.46	8.37
1960	8.48	8.71	8.61	8.49	8.65	8.67	8.55	8.57	8.53	8.59	8.42	8.28	8.55
1961	8.28	8.40	8.58	8.87	8.55	8.45	8.52	8.40	8.50	8.70	8.62	8.47	8.53
1962	8.01	8.28	8.67	8.33	8.44	8.49	8.52	8.50	8.54	8.66	8.56	8.49	8.46
1963	8.25	8.00	8.30	8.40	8.30	8.40	8.48	8.42	8.49	8.44	8.76	8.24	8.37
1964	8.41	8.39	8.41	8.07	8.40	8.39	8.38	8.45	8.46	8.52	8.55	8.28	8.39
1965	8.29	8.32	8.28	8.44	8.42	8.50	8.43	8.36	8.33	8.49	8.49	8.39	8.40
1966	8.60	8.36	8.42	8.42	8.38	8.42	8.56	8.45	8.59	8.32	8.35	8.30	8.43

RUN DATE 11/16/82

STATION NO. 8443970

BOSTON,MA 42 21.3N 71 03.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1967	8.43	8.25	8.34	8.63	8.68	8.52	8.52	8.45	8.49	8.38	8.38	8.51	8.46
1968	8.12	8.33	8.38	8.34	8.58	8.70	8.46	8.45	8.45	8.42	8.70	8.39	8.44
1969	8.10	8.68	8.54	8.38	8.36	8.52	8.55	8.58	8.72	8.87	8.99	8.79	8.59
1970	8.52	8.38	8.43	8.52	8.34	8.50	8.42	8.56	8.50	8.47	8.73	8.80	8.51
1971	8.48	8.41	8.56	8.64	8.66	8.58	8.44	8.45	8.50	8.73	8.91	8.48	8.57
1972	8.31	8.47	8.65	8.68	8.72	8.77	8.63	8.54	8.69	8.54	8.84	8.69	8.63
1973	8.56	8.55	8.70	8.74	8.71	8.61	8.76	8.75	8.63	8.55	8.44	8.45	8.62
1974	8.41	8.42	8.30	8.51	8.59	8.62	8.66	8.45	8.66	8.30	8.60	8.52	8.50
1975	8.31	8.36	8.38	8.53	8.54	8.65	8.55	8.64	8.52	8.73	8.66	8.49	8.53
1976	8.36	8.25	8.31	8.52	8.37	8.39	8.62	8.54	8.57	8.48	8.32	8.01	8.40
1977	8.19	8.19	8.41	8.24	8.56	8.74	8.44	8.47	8.74	8.69	8.58	8.70	8.50
1978	8.47	8.80	8.33	8.62	8.57	8.48	8.48	8.54	8.58	8.49	8.51	8.38	8.52
1979	8.63	8.27	8.21	8.51	8.48	8.45	8.51	8.57	8.40	8.52	8.29	8.21	8.42
1980	8.20	8.33	8.19	8.44	8.64	8.54	8.48	8.47	8.41	8.51	8.47	8.12	8.40

RUN DATE 11/16/82

STATION NO. 8447930

WOODS HOLE,MA 41 31.5N 70 40.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1932								3.13	3.27	3.03	3.20	2.98	
1933	3.19	2.92	3.02	3.07	3.10	3.27	3.24	3.27	3.44	3.22	3.04	2.88	3.14
1934	2.85	2.39	2.47	2.89	2.87	3.19	3.15	3.04	3.16	3.23	2.95	2.89	2.92
1935	2.87	2.68	2.82	3.18	3.01	3.24	3.15	3.18	3.15	3.05	3.39	3.07	3.07
1936	2.88	2.79	3.00	2.93	2.96	3.14	3.33	3.17	3.19	3.26	2.99	2.86	3.04
1937	2.90	3.27	2.88	3.06	3.12	3.16	3.26	3.12	3.26	3.22	3.13	3.05	3.12
1938	3.10	2.99	3.05	2.92	3.18	3.12	3.12	3.23	3.23	3.34	3.08	3.00	3.11
1939	2.93	2.90	2.95	3.09	3.11	3.24	3.26	3.26	3.30	3.24	3.10	3.08	3.12
1940	2.94	3.28	2.96	2.99	3.25	3.32	3.22	3.16	3.28	3.28	3.09	3.10	3.16
1941	3.16	3.01	2.92	3.07	3.18	3.32	3.31	3.32	3.23	3.23	3.13	3.07	3.16
1942	2.95	3.07	3.14	3.17	3.13	3.34	3.31	3.28	3.45	3.35	3.31	3.08	3.22
1943	2.95	3.03	2.87	3.01	3.04	3.28	3.29	3.39	3.31	3.53	3.32	2.89	3.16
1944	3.02	2.97	2.97	3.09	3.03	3.37	3.38	3.35	3.34	3.35	3.65	2.99	3.21
1945	2.97	3.00	3.12	3.13	3.38	3.34	3.37	3.34	3.38	3.44	3.57	3.55	3.30
1946	3.10	3.07	3.14	3.36	3.25	3.28	3.30	3.45	3.37	3.45	3.39	3.11	3.27
1947	3.06	3.14	3.28	3.08	3.22	3.44	3.38	3.33	3.34	3.27	3.62	3.00	3.26
1948	3.01	3.07	3.12	3.06	3.30	3.41	3.47	3.41	3.41	3.54	3.37	3.44	3.30
1949	3.14	3.14	2.93	3.22	3.21	3.10	3.25	3.39	3.31	3.32	3.40	2.80	3.18
1950	2.88	2.98	2.70	3.00	2.91	3.09	3.14	3.29	3.39	3.35	3.49	3.26	3.12
1951	3.04	2.99	3.38	3.18	3.36	3.44	3.32	3.43	3.38	3.44	3.31	3.08	3.28
1952	3.14	3.21	3.23	3.13	3.48	3.37	3.27	3.29	3.37	3.29	3.36	3.40	3.30
1953	3.39	2.90	3.22	3.29	3.44	3.33	3.32	3.39	3.40	3.39	3.37	3.14	3.30
1954	3.18	3.18	3.12	3.03	3.49	3.48	3.45	3.45	3.42	3.44	3.29	3.18	3.31
1955	3.34	3.03	3.06	3.42	3.33	3.50	3.44	3.49	3.33	3.61	3.47	3.00	3.34
1956	3.37	3.00	3.21	3.32	3.15	3.36	3.43	3.57	3.51	3.42	3.39	3.26	3.33
1957	2.96	3.12	3.38	3.02	3.34	3.37	3.48	3.38	3.38	3.51	3.39	3.17	3.29
1958	3.51	3.37	3.77	3.55	3.27	3.45	3.44	3.49	3.55	3.64	3.50	3.21	3.48
1959	3.08	2.92	3.15	3.23	3.12	3.44	3.22	3.49	3.40	3.56	3.30	3.30	3.27
1960	3.23	3.42	3.34	3.30	3.46	3.54	3.50	3.53	3.47	3.60	3.34	3.12	3.40
1961	3.15	3.33	3.46	3.54	3.34	3.29	3.42	3.31	3.49	3.62	3.51	3.33	3.40
1962	3.02	3.37	3.58	3.17	3.33	3.46	3.54	3.51	3.50	3.62	3.56	3.38	3.42
1963	3.16	2.91	3.26	3.36	3.19	3.40	3.45	3.46	3.46	3.38	3.68	3.14	3.32
1964	3.18	3.22	3.12	2.96	3.22	3.37	3.41	3.40	3.30	3.31	3.32	3.02	3.24
1965	3.08	3.04	3.00										
1966	3.36	3.14	3.20	3.30	3.32	3.37	3.55	3.48	3.58	3.30	3.34	3.20	3.34
1967	3.22												
1968													
1969									3.66	3.71	3.70	3.62	
1970	3.40	3.42	3.42	3.52	3.38	3.49	3.51	3.64	3.59	3.56	3.74	3.68	3.53
1971	3.52	3.34	3.50	3.55	3.59	3.60	3.51	3.53	3.61	3.73	3.76	3.29	3.54
1972	3.25	3.35	3.44	3.46	3.53	3.72	3.58	3.58	3.72	3.61	3.86	3.65	3.56
1973	3.46	3.45	3.64	3.60	3.58	3.47	3.60	3.61	3.65	3.59	3.32	3.32	3.52
1974	3.37	3.34	3.19	3.30	3.44	3.52	3.62	3.45	3.55	3.30	3.47	3.49	3.42
1975	3.23	3.27	3.30	3.37	3.47	3.56	3.54	3.64	3.55	3.66	3.70	3.46	3.48
1976	3.32	3.18	3.30	3.38	3.34	3.43	3.67	3.55	3.65	3.55	3.26	2.94	3.38
1977	3.05	3.07	3.20	3.10	3.41	3.66	3.46	3.51	3.77	3.65	3.48	3.57	3.41

RUN DATE 11/16/82

STATION NO. 8447930

WOODS HOLE,MA 41 31.5N 70 40.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1978	3.33	3.60	3.26	3.52	3.47	3.48	3.54	3.63	3.72	3.57	3.58	3.38	3.51
1979	3.60	3.22	3.20	3.37	3.40	3.44	3.55	3.60	3.53	3.55	3.32	3.19	3.41
1980	3.20	3.29	3.15	3.34	3.52	3.48	3.54	3.58	3.49	3.51	3.42	3.08	3.38

RUN DATE 11/16/82

STATION NO. 8452660

NEWPORT,RI 41 30.3N 71 19.6W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1930										3.27	2.76	2.89	
1931	2.81	2.78	3.31	2.76	2.98	3.26	3.27	3.22	3.25	3.20	2.89	2.84	3.05
1932	2.99	3.03	2.95	2.92	2.86	3.14	3.26	3.19	3.34	3.10	3.27	2.98	3.09
1933	3.20	2.84	2.96	3.09	3.17	3.30	3.31	3.34	3.41	3.22	3.08	2.95	3.16
1934	2.81	2.54	2.62	2.98	2.93	3.34	3.14	3.11	3.20	3.20	2.94	2.86	2.97
1935	2.90	2.71	2.85	3.19	3.03	3.23	3.17	3.22	3.20	3.13	3.46	3.07	3.10
1936	2.89	2.86	3.04	2.96	2.98	3.17	3.33	3.18	3.24	3.25	2.96	2.84	3.06
1937	2.90	3.25	2.86	3.13	3.14	3.23	3.31	3.19	3.31	3.26	3.16	3.07	3.15
1938	3.20	3.09	3.11	2.98	3.24	3.19	3.22	3.34	3.27	3.47	3.17	3.07	3.20
1939	2.93	2.95	3.04	3.21	3.23	3.32	3.34	3.38	3.41	3.29	3.11	3.10	3.19
1940	2.97	3.33	3.01	3.11	3.35	3.34	3.28	3.24	3.34	3.39	3.15	3.14	3.22
1941	3.21	3.02	2.90	3.12	3.21	3.32	3.37	3.37	3.29	3.25	3.14	3.07	3.19
1942	3.00	3.07	3.24	3.24	3.21	3.44	3.45	3.36	3.51	3.38	3.32	3.04	3.27
1943	2.94	3.03	2.90	3.02	3.10	3.34	3.32	3.48	3.40	3.55	3.33	2.88	3.19
1944	2.95	2.94	3.04	3.14	3.07	3.41	3.37	3.40	3.43	3.41	3.68	3.00	3.24
1945	2.95	2.98	3.14	3.14	3.39	3.37	3.39	3.37	3.42	3.45	3.52	3.54	3.30
1946	3.11	3.01	3.20	3.36	3.30	3.33	3.32	3.54	3.40	3.50	3.34	3.00	3.28
1947	3.02	3.02	3.24	3.16	3.31	3.47	3.42	3.41	3.36	3.30	3.69	3.00	3.28
1948	3.02	3.08	3.21	3.09	3.36	3.50	3.53	3.49	3.43	3.58	3.41	3.49	3.35
1949	3.18	3.20	2.99	3.27	3.27	3.24	3.38	3.46	3.38	3.43	3.40	2.81	3.25
1950	2.95	3.05	2.74	3.06	2.96	3.10	3.20	3.32	3.46	3.42	3.52	3.35	3.18
1951	3.11	3.06	3.47	3.29	3.42	3.55	3.40	3.55	3.43	3.48	3.37	3.11	3.35
1952	3.19	3.20	3.27	3.21	3.52	3.42	3.32	3.41	3.46	3.30	3.40	3.46	3.35
1953	3.49	3.07	3.29	3.37	3.53	3.40	3.39	3.46	3.50	3.48	3.48	3.19	3.39
1954	3.25	3.22	3.15	3.12	3.53	3.52	3.52	3.48					3.37
1955							3.47	3.55	3.41	3.69	3.47	3.02	3.39
1956	3.42	3.06	3.26	3.40	3.21	3.43	3.50	3.62	3.56	3.47	3.41	3.24	3.38
1957	2.97	3.15	3.40	3.01	3.35	3.39	3.49	3.40	3.40	3.51	3.37	3.19	3.30
1958	3.48	3.33	3.73	3.51	3.30	3.45	3.53	3.55	3.60	3.71	3.48	3.16	3.49
1959	3.07	2.91	3.12	3.28	3.12	3.46	3.27	3.53	3.44	3.54	3.34	3.38	3.29
1960	3.35	3.38	3.44	3.42	3.62	3.60	3.57	3.59	3.56	3.60	3.38	3.15	3.47
1961	3.15	3.35	3.49	3.59	3.33	3.40	3.50	3.38	3.56	3.63	3.41	3.25	3.42
1962	2.99	3.32	3.57	3.17	3.30	3.43	3.55	3.55	3.49	3.65	3.60	3.28	3.41
1963	3.16	2.84	3.25	3.38	3.21	3.42	3.46	3.41	3.47	3.39	3.63	3.14	3.31
1964	3.19	3.11	3.23	2.98	3.24	3.31	3.41	3.44	3.45	3.45	3.48	3.18	3.29
1965	3.26	3.22	3.17	3.35	3.32	3.38	3.36	3.30	3.40	3.47	3.44	3.27	3.33
1966	3.37	3.18	3.24	3.24	3.24	3.31	3.44	3.40	3.65	3.31	3.51	3.26	3.35
1967	3.28	3.18	3.21	3.40	3.50	3.44	3.49	3.48	3.50	3.47	3.34	3.45	3.40
1968	3.01	3.14	3.15	3.11	3.56	3.65	3.48	3.56	3.35	3.44	3.61	3.19	3.35
1969	3.13	3.39	3.35	3.30	3.36	3.56	3.58	3.66	3.72	3.71	3.75	3.61	3.51
1970	3.36	3.38	3.32	3.44	3.33	3.55	3.57	3.67	3.60	3.62	3.78	3.68	3.52
1971	3.48	3.38	3.44	3.52	3.55	3.58	3.52	3.54	3.60	3.72	3.76	3.28	3.53
1972	3.24	3.31	3.47	3.49	3.65	3.83	3.71	3.68	3.81	3.61	3.87	3.68	3.61
1973	3.47	3.48	3.58	3.60	3.68	3.53	3.68	3.69	3.71	3.62	3.36	3.36	3.56
1974	3.43	3.38	3.22	3.34	3.47	3.55	3.66	3.52	3.64	3.32	3.51	3.45	3.46
1975	3.26	3.26	3.34	3.36	3.50	3.52	3.60	3.64	3.53	3.74	3.70	3.45	3.49

RUN DATE 11/16/82

STATION NO. 8452660

NEWPORT,RI 41 30.3N 71 19.6W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1976	3.30	3.22	3.28	3.32	3.37	3.42	3.65	3.55	3.61	3.52	3.22	2.95	3.37
1977	2.97	3.04	3.21	3.09	3.37	3.64	3.26	3.55	3.80	3.62	3.49	3.53	3.38
1978	3.30	3.58	3.27	3.58	3.55	3.52	3.58	3.65	3.75	3.71	3.61	3.29	3.53
1979	3.59	3.15	3.24	3.41	3.41	3.49	3.60	3.69	3.58	3.60	3.37	3.20	3.44
1980	3.21	3.30	3.20	3.40	3.56	3.53	3.61	3.63	3.53	3.52	3.42	3.10	3.42

RUN DATE 11/16/82

STATION NO. 8454000

PROVIDENCE,RI 41 48.4N 71 24.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1938							5.51	5.57				5.23	
1939	5.12	5.17	5.21	5.38	5.45	5.56	5.58	5.63	5.61	5.47	5.28	5.27	5.39
1940	5.12	5.40	5.22	5.34	5.57	5.58	5.51	5.46	5.52	5.52	5.33	5.33	5.41
1941	5.27	5.16	5.10	5.38	5.43	5.55	5.60	5.55	5.51	5.49	5.35	5.25	5.39
1942	5.19	5.23	5.45	5.44	5.43	5.61	5.58	5.57	5.66	5.57	5.45	5.21	5.45
1943	5.10	5.18	5.10	5.23	5.32	5.54	5.53	5.65	5.48	5.68	5.45	4.97	5.35
1944	5.07	5.08	5.12	5.34	5.34	5.61	5.60	5.54	5.54	5.50	5.73	5.12	5.38
1945	5.08	5.14	5.39	5.42	5.73	5.61	5.67	5.54	5.56	5.66	5.71	5.68	5.52
1946	5.34	5.23	5.41	5.53	5.53	5.59	5.61	5.66	5.59	5.58	5.53	5.25	5.49
1947	5.31	5.30	5.52	5.42	5.59								
1956									5.74	5.64	5.61	5.43	
1957	5.07	5.31	5.56	5.29	5.51	5.62	5.67	5.58	5.59	5.63	5.53	5.36	5.48
1958	5.65	5.48	5.93	5.81	5.56	5.69	5.69	5.76	5.80	5.90	5.67	5.32	5.69
1959	5.21	5.06	5.34	5.51	5.33	5.66	5.53	5.75	5.65	5.75	5.52	5.57	5.49
1960	5.46	5.59	5.58	5.72	5.84	5.79	5.77	5.77	5.75	5.77	5.54	5.30	5.66
1961	5.27	5.54	5.73	5.86	5.64	5.69	5.68	5.58	5.66	5.75	5.56	5.40	5.61
1962	5.16	5.42	5.69	5.43	5.57	5.64	5.72	5.69	5.59	5.76	5.72	5.49	5.57
1963	5.30	5.05	5.41	5.47	5.44	5.60	5.67	5.63	5.60	5.53	5.81	5.23	5.48
1964	5.41	5.21	5.41	5.15	5.45	5.50	5.57	5.62	5.59	5.62	5.64	5.33	5.46
1965	5.33	5.35	5.28	5.59	5.58	5.64	5.62	5.56	5.58	5.62	5.58	5.38	5.51
1966	5.45	5.41	5.48	5.46	5.50	5.61	5.80	5.71	5.80	5.45	5.54	5.36	5.55
1967	5.40		5.35	5.60							5.55	5.57	
1968	5.16	5.34	5.37	5.39	5.50	5.75	5.67	5.66	5.64	5.55	5.69	5.26	5.50
1969	5.19	5.42	5.53	5.60	5.64	5.82	5.81	5.86	5.80	5.81	5.87	5.71	5.67
1970	5.48	5.53	5.44	5.69	5.60	5.77	5.78	5.82	5.74	5.75	5.93	5.73	5.69
1971	5.51	5.53	5.63	5.70	5.81	5.82	5.74	5.72	5.66	5.92	5.87	5.42	5.69
1972	5.38	5.45	5.67	5.62	5.78	6.01	5.90	5.81	5.86	5.75	6.00	5.78	5.75
1973	5.62	5.57	5.75	5.81	5.90	5.76	5.91	5.89	5.84	5.76	5.46	5.58	5.74
1974	5.58	5.51	5.40	5.56	5.70	5.78	5.83	5.70	5.77	5.45	5.61	5.63	5.63
1975	5.41	5.43	5.47	5.51	5.67	5.76	5.78	5.74	5.65	5.82	5.84	5.56	5.64
1976	5.43	5.39	5.45	5.48	5.52	5.57	5.75	5.69	5.73	5.58	5.29	4.99	5.49
1977	5.06	5.14	5.33	5.23	5.53	5.76	5.55	5.66	5.92	5.78	5.64	5.68	5.52
1978	5.47	5.69	5.40	5.67	5.65	5.63	5.72	5.78	5.88	5.72	5.70	5.46	5.65
1979	5.76	5.35	5.46	5.61	5.79	5.76	5.77	5.87	5.76	5.88	5.60	5.38	5.67
1980	5.34	5.40	5.38	5.61	5.65	5.66	5.73	5.73	5.60	5.61	5.49	5.12	5.53

RUN DATE 11/16/82

STATION NO. 8461490

NEW LONDON,CT 41 21.5N 72 05.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1938							4.65	4.76		4.76	4.40	4.51	4.62
1939	4.40	4.41	4.51	4.61	4.72	4.74	4.76	4.83	4.83	4.70	4.58	4.46	4.63
1940	4.25	4.77	4.43	4.65	4.86	4.83	4.72	4.70	4.81	4.80	4.55	4.56	4.66
1941	4.62	4.42	4.35	4.61	4.68	4.79	4.80	4.78	4.71	4.65	4.55	4.48	4.62
1942	4.41	4.43	4.71	4.70	4.65	4.87	4.82	4.79	4.89	4.82	4.69	4.44	4.68
1943	4.41	4.42	4.40	4.53	4.59	4.77	4.75	4.88	4.81	4.97	4.74	4.21	4.62
1944	4.39	4.34	4.50	4.63	4.57	4.87	4.84	4.80	4.83	4.87	5.16	4.48	4.69
1945	4.44	4.48	4.73	4.64	4.97	4.91	4.83	4.81	4.88	4.85	5.04	4.99	4.80
1946	4.60	4.56	4.73	4.84	4.88	4.92	4.91	4.97	4.89	4.94	4.79	4.47	4.79
1947	4.54	4.45	4.70	4.66	4.80	4.94	4.87	4.86	4.80	4.76	5.12	4.35	4.74
1948	4.44	4.53	4.72	4.64	4.90	4.98	4.96	4.90	4.89	5.06	4.83	4.88	4.81
1949	4.69	4.69	4.46	4.76	4.80	4.71	4.81	4.89	4.79	4.88	4.81	4.24	4.71
1950	4.34	4.47	4.15	4.57	4.48	4.59	4.64	4.77	4.89	4.83	4.98	4.83	4.63
1951	4.54	4.55	5.02	4.82	4.95	5.07	4.86	4.95	4.91	4.97	4.86	4.61	4.84
1952	4.68	4.67	4.79	4.72	5.00	4.92	4.76	4.83	4.91	4.72	4.86	4.96	4.82
1953	4.95	4.48	4.81	4.87	5.04	4.86	4.83	4.91	4.94	4.93	4.93	4.62	4.85
1954	4.63	4.69	4.63	4.63	5.06	5.00	4.95	4.95	5.01	5.02	4.87	4.68	4.84
1955	4.75	4.54	4.57	5.01	4.86	5.02	4.95	5.10	4.97	5.23	4.96	4.41	4.86
1956	4.88	4.50	4.76	4.94	4.72	4.91	4.94	5.05	5.04	4.97	4.90	4.71	4.86
1957	4.40	4.60	4.92	4.57	4.82	4.84	4.91	4.86	4.86	4.98	4.78	4.60	4.76
1958	4.97	4.75	5.27	5.10	4.83	4.93	4.94	5.00	5.04	5.16	4.89	4.62	4.96
1959	4.46	4.33	4.65	4.84	4.59	4.90	4.70	4.96	4.87	5.02	4.83	4.86	4.75
1960	4.73	4.82	4.86	4.99	5.05	5.10	5.00	5.10	5.06	5.09	4.79	4.53	4.93
1961	4.50	4.80	4.98	5.13	4.90	4.86	4.98	4.88	5.05	5.09	4.88	4.65	4.89
1962	4.47	4.83	5.11	4.63	4.83	4.91	4.96	4.99	4.95	5.13	5.06	4.78	4.89
1963	4.60	4.31	4.77	4.83	4.70	4.88	4.92	4.85	4.99	4.79	5.03	4.50	4.76
1964	4.67	4.60	4.72	4.50	4.73	4.76	4.80	4.91	4.96	4.94	4.90	4.66	4.76
1965	4.71	4.64	4.64	4.88	4.82	4.86	4.92	4.81	4.91	4.90	4.83	4.72	4.80
1966	4.71	4.65	4.77	4.82	4.78	4.84	5.01	4.97	5.11	4.71	4.84	4.67	4.82
1967	4.73	4.59	4.76	5.01	5.02	4.93	4.97	5.01	5.04	4.90	4.74	5.00	4.89
1968	4.50	4.59	4.70	4.75	4.99	5.17	4.97	4.99	5.01	4.86	5.03	4.51	4.84
1969	4.44	4.84	4.81	4.79	4.87	5.06	5.05	5.08	5.12	5.09	5.15	4.99	4.94
1970	4.73	4.76	4.78	4.98	4.81	4.99	4.98	5.13	5.04	5.06	5.28	5.04	4.96
1971	4.73	4.79	4.88	5.01	5.09	5.10	5.03	5.02	5.05	5.26	5.20	4.72	4.99
1972	4.62	4.69	4.94	4.95	5.03	5.19	5.06	5.08	5.19	5.09	5.38	5.14	5.03
1973	4.92	5.01	5.20	5.12	5.11	5.02	5.13	5.14	5.16	5.09	4.69	4.81	5.03
1974	4.90	4.83	4.70	4.83	5.01	5.08	5.07	4.99	5.09	4.76	4.95	4.91	4.93
1975	4.65	4.68	4.79	4.74	4.98	5.10	5.04	5.06	4.95	5.17	5.13	4.98	4.94
1976	4.68	4.54	4.77	4.82	4.79	4.87	5.04	5.02	5.04	4.93	4.56	4.25	4.78
1977				4.57	4.87								4.84

RUN DATE 11/16/82

STATION NO. 8467150

BRIDGEPORT,CT 41 10.4N 73 10.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1964										5.42	5.37		
1965	5.11	5.10	5.11	5.35	5.32	5.35	5.42	5.31	5.47	5.36	5.24	5.19	5.28
1966	5.11				5.32			5.49	5.67		5.40	5.15	5.39
1967	5.22	5.04	5.33	5.52	5.54	5.48	5.51	5.52	5.59	5.49	5.26	5.46	5.41
1968	4.97	5.00	5.19	5.31	5.55	5.68	5.49	5.56	5.58	5.39	5.58	4.92	5.35
1969	4.91	5.38	5.32	5.32	5.51	5.58	5.60	5.62	5.72	5.64	5.70	5.53	5.49
1970	5.22	5.23	5.30	5.53	5.39	5.57	5.56	5.70	5.59	5.66	5.85	5.55	5.51
1971	5.19	5.32	5.31	5.47	5.62	5.62	5.54	5.53	5.66	5.76	5.77	5.26	5.50
1972	5.11	5.27	5.45	5.54	5.69	5.83	5.69	5.66	5.80	5.64	5.97	5.64	5.61
1973	5.36	5.60	5.76	5.68	5.72	5.59	5.68	5.73	5.70	5.66	5.12	5.37	5.58
1974	5.42	5.31	5.12	5.33	5.55	5.70	5.61	5.57	5.70	5.34	5.46	5.50	5.47
1975	5.20	5.25	5.27	5.28	5.57	5.61	5.59	5.66	5.58	5.83	5.65	5.49	5.50
1976	5.20	5.06	5.29	5.35	5.30	5.39	5.56	5.54	5.56	5.40	4.98	4.68	5.28
1977	4.68	4.91	5.12	5.12	5.36	5.60	5.44	5.50	5.86	5.65	5.55	5.54	5.36
1978	5.22	5.66	5.31	5.59	5.64	5.52	5.62	5.64	5.74	5.57	5.60	5.06	5.51
1979	5.44	5.00	5.17	5.43	5.44	5.52	5.55	5.63	5.57	5.54	5.31	5.06	5.39
1980	5.13	5.24	5.23	5.53	5.61	5.49	5.51	5.61	5.50	5.41	5.22	4.92	5.37

RUN DATE 11/16/82

STATION NO. 8510560

MONTAUK,NY 41 02.9N 71 57.6W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1947										4.72	5.07	4.33	
1948	4.41	4.47	4.58	4.56	4.82	4.88	4.92	4.86	4.90	5.09	4.85	4.95	4.77
1949	4.62	4.65	4.45	4.71	4.73	4.66	4.80	4.87	4.80	4.84	4.80	4.25	4.68
1950	4.34	4.48	4.12	4.54	4.42	4.52	4.60	4.76	4.83	4.78	4.93	4.74	4.59
1951	4.47	4.47	4.94	4.70	4.89	5.00	4.81	4.93	4.91	4.98	4.78	4.54	4.78
1952	4.68	4.68	4.79	4.69	4.97	4.90	4.70	4.81	4.91	4.75	4.90	4.97	4.81
1953	4.89	4.35	4.71	4.79	4.96	4.81	4.81	4.88	4.92	4.95	4.91	4.54	4.79
1954	4.66	4.64	4.55	4.49	4.97	4.91	4.91	4.89	4.90	4.93	4.75	4.60	4.77
1955	4.81	4.50	4.50	4.96	4.78	5.02	4.94	5.02	4.96	5.17	4.97	4.48	4.84
1956	5.00	4.52	4.78	4.85	4.68	4.89	4.96	5.10	5.07	5.00	4.86	4.69	4.87
1957	4.40	4.61	4.87	4.53	4.82	4.87	4.94	4.88	4.87	5.03	4.93	4.71	4.79
1958	5.10	4.87	5.35	5.13	4.80	4.92	4.92	4.97	5.04	5.13	4.90	4.72	4.99
1959		4.33							4.87	5.03	4.75	4.79	
1960	4.77	4.82	4.87	4.80	4.99	5.00	4.99	5.00	5.03	5.08	4.81	4.63	4.90
1961	4.60	4.87	5.03	5.11	4.91	4.85	4.97	4.82	5.03	5.10	4.98	4.73	4.92
1962	4.46	4.84	5.07	4.57	4.78	4.92	4.97	5.03	5.04	5.09	5.05	4.75	4.88
1963	4.61	4.32	4.69	4.82	4.69	4.87	4.90	4.85	4.98	4.78	5.00	4.49	4.75
1964	4.63	4.60	4.68	4.38	4.69	4.78	4.74	4.84	4.90	4.87	4.87	4.65	4.72
1965	4.72	4.62	4.61	4.81	4.71	4.79	4.87	4.74	4.86	4.84	4.83	4.68	4.76
1966	4.74	4.58	4.69	4.73	4.76	4.80	4.97	4.90	5.08	4.70	4.78	4.64	4.78
1967	4.71	4.54	4.80	4.96	5.01	4.94	4.96	4.98	5.00	4.94	4.85	5.00	4.89
1968	4.50	4.60	4.67	4.76	4.96	5.09	4.90	4.98	5.02	4.89	5.08	4.58	4.84
1969	4.52	4.92	4.85	4.71	4.78	5.00	5.01	5.06	5.11	5.09	5.13	5.04	4.94
1970	4.76	4.70	4.73	4.90	4.77	5.00	4.97	5.12	5.02	5.05	5.27	5.03	4.94
1971	4.67	4.78	4.80	5.00	5.07	5.07	4.99	5.01	5.10	5.27	5.28	4.80	4.99
1972	4.69	4.84											
1973	4.89	5.09	5.14	5.09	5.07	5.01	5.15	5.16	5.21	5.16	4.76	4.82	5.05
1974	4.88	4.84	4.74	4.84	5.01	5.06	5.11	4.98	5.15	4.81	4.91	5.01	4.94
1975	4.71	4.71	4.77	4.79	4.94	5.04	5.01	5.11	5.00	5.20	5.14	5.03	4.95
1976	4.91	4.71	4.91	4.96	4.84	4.88	5.13	5.02	5.11	4.98	4.63	4.38	4.87
1977	4.03	4.26	4.47	4.39	4.71	5.01	4.85	4.87	5.19	5.03	4.93	4.99	4.73
1978	4.83	5.12	4.67	4.97	4.95	4.91	5.03	5.08	5.16	4.98	5.06	4.71	4.96
1979	5.08		4.60	4.82	4.82	4.88	4.97	5.05	5.00	4.97	4.77	4.60	
1980	4.67	4.76	4.67	4.85	4.97	4.90	4.95	5.02	4.92	4.89	4.77	4.53	4.82

RUN DATE 11/16/82

STATION NO. 8516990

WILLETS POINT,NY 40 47.6N 73 46.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1931								8.81	8.69	8.54	8.23	8.06	
1932	8.37	8.39	8.09	8.27	8.24	8.46	8.55	8.56	8.80	8.46	8.83	8.32	8.44
1933	8.64	8.02	8.30	8.64	8.68	8.71	8.74	8.82	8.87	8.66	8.26	8.25	8.55
1934	8.13	7.80	8.13	8.47	8.38	8.68	8.65	8.61	8.82	8.65	8.40	8.14	8.40
1935	8.25	8.06	8.27	8.68	8.47	8.73	8.67	8.75	8.69	8.58	9.09	8.40	8.55
1936	8.10	8.23	8.71	8.29	8.41	8.70	8.82	8.67	8.77	8.63	8.24	8.35	8.49
1937	8.46	8.70	8.18	8.74	8.66	8.75	8.80	8.66	8.80	8.68	8.54	8.43	8.62
1938	8.61	8.52	8.55	8.53	8.72	8.64	8.57	8.73	8.77	9.02	8.50	8.40	8.63
1939	8.33	8.34	8.51	8.59	8.81	8.79	8.78	8.92	8.84	8.70	8.62	8.32	8.63
1940	8.25	8.82	8.38	8.67	8.94	8.83	8.75	8.81	8.84	8.85	8.45	8.52	8.68
1941	8.60	8.28	8.24	8.64	8.66	8.80	8.76	8.66	8.60	8.54	8.43	8.37	8.55
1942	8.31	8.25	8.65	8.69	8.67	8.84	8.84	8.83	8.99	8.91	8.61	8.22	8.65
1943	8.41	8.24	8.43	8.45	8.56	8.79	8.77	8.88	8.94	9.01	8.66	8.06	8.60
1944	8.41	8.26	8.55	8.69	8.57	8.89	8.78	8.77	8.84	8.87	9.18	8.16	8.66
1945	8.20	8.34	8.69	8.56	8.91	8.91	9.02	8.95	8.97	8.85	9.14	8.93	8.79
1946	8.45	8.38	8.69	8.77	8.81	8.75	8.83	8.97	8.95	8.99	8.69	8.36	8.72
1947	8.37	8.16	8.45	8.65	8.80	8.96	8.80	8.90	8.90	8.78	9.07	8.21	8.67
1948	8.40	8.56	8.73	8.59	8.97	9.04	8.94	8.90	8.94	9.16	8.84	8.87	8.83
1949	8.66	8.64	8.40	8.73	8.79	8.66	8.78	8.92	8.76	8.91	8.74	8.23	8.68
1950	8.34	8.48	8.02	8.56	8.49	8.52	8.65	8.76	8.94	8.87	9.09	8.78	8.62
1951	8.42	8.52	9.07	8.77	9.04	9.12	8.86	8.98	8.95	9.05	8.79	8.42	8.83
1952	8.60	8.65	8.87	8.75	9.02	8.96	8.78	8.85	8.90	8.69	8.89	9.00	8.83
1953	9.02	8.33	8.78	8.82	9.05	8.86	8.78	8.98	8.90	9.02	8.98	8.33	8.82
1954	8.55	8.58	8.45	8.62	9.05	8.97	8.89	8.94	8.89	8.94	8.70	8.51	8.76
1955	8.55	8.40	8.41	9.07	8.82	9.02	8.90	9.13	8.92	9.25	8.72	8.27	8.79
1956	8.88	8.40	8.71	8.86	8.65	8.83	8.93	9.06	9.13	9.05	8.80	8.60	8.82
1957	8.29	8.60	8.88	8.43	8.78	8.78	8.89	8.82	8.83	8.98	8.63	8.48	8.70
1958	8.88	8.62	9.32	9.07	8.80	8.81	8.89	8.95	9.00	9.20	8.78	8.51	8.90
1959	8.23	8.22	8.56	8.85	8.50	8.93	8.74	8.99	8.88	9.01	8.62	8.72	8.69
1960	8.60	8.71	8.83	8.82	9.09	9.07	8.91	9.08	9.10	9.08	8.65	8.38	8.86
1961	8.38	8.76	8.99	9.12	8.86	8.80	8.99	8.84	9.14	9.07	8.84	8.54	8.86
1962	8.34	8.88	9.24	8.61	8.90	8.96	8.94	9.03	9.02	8.98	9.00	8.58	8.87
1963	8.47	8.06	8.62	8.67	8.68	8.86	8.88	8.82	8.78	8.73	8.91	8.34	8.65
1964	8.53	8.48	8.63	8.47	8.67	8.70	8.83	8.89	9.00	8.89	8.79	8.52	8.70
1965	8.56	8.52	8.58	8.81	8.74	8.85	8.81	8.76	8.96	8.77	8.69	8.64	8.72
1966	8.65	8.61	8.76	8.92	8.85	8.92	9.07	8.94	9.15	8.67	8.88	8.66	8.84
1967	8.71	8.50	8.79	9.01	9.07	8.90	8.99	9.06	9.06	8.92	8.66	8.88	8.88
1968	8.34	8.41	8.63	8.75	9.07	9.19	9.02	9.01	9.05	8.81	9.09	8.35	8.81
1969	8.36	8.81	8.74	8.77	8.70	8.94	9.13	9.09	9.21	9.15	9.15	9.08	8.93
1970	8.65	8.67	8.78	9.03	8.88	9.03	9.04	9.19	9.04	9.12	9.44	9.09	9.00
1971	8.69	8.77	8.80	8.96	9.04	9.09	9.00	9.08	9.21	9.46	9.27	8.76	9.01
1972	8.56	8.72	9.00	9.06	9.24	9.37	9.16	9.08	9.33	9.08	9.46	9.16	9.10
1973	8.83	9.05	9.26	9.17	9.20	9.11	9.18	9.25	9.13	9.15	8.65	8.77	9.06
1974	8.86	8.75	8.55	8.75	9.06	9.14	9.00	9.12	9.20	8.74	8.80	8.91	8.91
1975	8.60	8.69	8.66	8.60	9.01	9.14	8.99	9.14	9.10	9.28	9.05	8.91	8.93
1976	8.55	8.48	8.71	8.83	8.74	8.84	9.06	9.04	9.08	8.86	8.33	8.08	8.72

RUN DATE 11/16/82

STATION NO. 8516990
WILLETS POINT,NY 40 47.6N 73 46.9W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1977	8.13	8.36	8.57	8.54	8.79	9.09	8.89	8.78	9.33	9.15	9.01	8.98	8.80
1978	8.60	9.10	8.72	8.98	9.10	8.90	9.02	9.12	9.24	8.98	9.08	8.46	8.94
1979	8.88	8.55	8.62	8.85	8.81	8.88	8.98	9.16	9.01	8.90	8.70	8.45	8.82
1980	8.52	8.61	8.63	8.96	9.02	8.87	8.93	9.07	8.96	8.81	8.64	8.38	8.78

RUN DATE 11/16/82

STATION NO. 8518750
NEW YORK(THE BATTERY), NY 40 42.0N 74 05.5W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1893	4.74	4.35	4.81	5.05	5.11	5.25	5.01	5.26	5.09	5.20	4.97	4.50	4.94
1894	4.98	4.70	4.79	5.30	5.17	4.98	5.00	5.10	5.18	5.15	4.59	4.88	4.98
1895	4.56	4.31	4.46	5.01	4.94	5.18	5.17	5.06	5.14	5.02	4.93	5.09	4.91
1896	4.93	4.55	4.30	4.88	5.14	5.12	5.00	5.14	5.23	5.44	5.03	5.08	4.99
1897	4.59	5.09	4.78	4.78	5.09	5.25	5.38	5.36	5.28	5.51	4.83	4.78	5.06
1898	4.79	4.81	4.84	5.26	5.41	5.23	5.23	5.16	5.19	5.31	5.06	4.64	5.08
1899	4.56	4.75	5.05	5.05	5.28	5.10	5.07	5.38	5.30	5.15	5.26	4.87	5.07
1900	4.36	4.46	4.61	4.83	5.10	5.22	5.11	5.28	5.22	5.24	4.93	4.84	4.93
1901	4.94	4.16	4.80	5.60	5.45	5.35	5.36	5.44	5.52	5.08	5.15	5.03	5.16
1902	4.76	4.89	5.17	5.15	5.04	5.18	5.33	5.38	5.47	5.42	5.42	5.16	5.20
1903	4.63	4.40	4.96	5.46	5.17	5.65	5.30	5.45	5.30	5.64	5.04	4.57	5.13
1904	4.72	4.37	4.77	4.97	5.09	5.29	5.19	5.11	5.18	5.10	5.09	4.85	4.98
1905	4.74	4.37	4.70	4.90	4.90	5.13	5.14	5.30	5.21	5.07	4.85	4.94	4.94
1906	4.98	4.67	4.55	5.02	5.01	5.31	5.33	5.36	5.27	5.39	4.96	4.73	5.05
1907	4.67	4.53	4.82	5.02	5.02	5.29	5.17	5.16	5.12	5.02	5.17	4.98	5.00
1908	4.68	4.51	4.69	4.64	5.12	5.14	5.15	5.50	5.35	5.45	4.69	4.72	4.97
1909	4.86	4.73	4.80	4.87	5.39	5.24	5.21	5.45	5.37	5.04	5.13	5.12	5.10
1910	5.01	4.75	4.97	5.38	5.21	5.37	5.32	5.18	5.40	5.21	5.22	4.96	5.16
1911	4.68	5.04	4.74	5.10	5.13	5.38	5.12	5.27	5.54	5.53	4.85	4.91	5.11
1912	4.46	4.54	4.75	4.88	5.09	5.02	5.02	5.20	5.43	5.19	5.00	4.60	4.93
1913	4.68	4.49	4.37	5.00	5.11	5.12	5.07	5.28	5.24	5.52	5.08	4.85	4.98
1914	5.17	4.61	4.90	5.09	5.22	5.16	5.31	5.21	5.27	5.35	4.90	5.11	5.11
1915	5.04	5.10	4.98	4.91	5.14	5.29	5.36	5.51	5.21	5.35	5.12	4.88	5.16
1916	4.76	4.78	5.00	5.42	5.25	5.51	5.17	5.36	5.33	5.23	5.06	4.56	5.12
1917	4.67	4.68	5.03	5.09	5.50	5.31	5.36	5.39	5.35	5.33	5.14	4.93	5.15
1918	5.00	4.91	5.12	5.34	4.86	5.26	5.27	5.27	5.17	5.06	5.09	5.26	5.13
1919	4.80	4.96	5.12	5.18	5.51	5.49	5.36	5.61	5.45	5.53	5.57	5.01	5.30
1920	4.83	5.03	4.60	5.38	5.39	5.54	5.27	5.42	5.38	5.40	5.33	5.15	5.23
1921	4.91	5.31	5.04	5.37	5.74	5.44	5.43	5.31	5.43	5.12	5.37	4.97	5.29
1922	4.68	4.89	4.99	5.09	5.22	5.32	5.34	5.32	5.38	5.30	5.12	5.04	5.14
1923	5.02	4.83	4.92	5.19	5.18	5.25	5.28	5.28	5.26	5.35	5.40	5.00	5.16
1924	4.61	5.19	5.47	5.21	5.48	5.34	5.23	5.40	5.34	5.29	5.07	4.62	5.19
1925	5.19	4.91	4.78	5.14	5.18	5.20	5.26	5.26	5.42	5.08	4.99	4.81	5.10
1926	4.57	5.00	4.69	4.94	5.14	5.20	5.25	5.49	5.50	5.34	4.97	5.01	5.09
1927	4.61	5.16	5.17	5.10	5.30	5.32	5.22	5.51	5.36	5.40	5.19	5.16	5.21
1928	4.53	4.72	4.88	4.94	5.24	5.35	5.33	5.49	5.50	5.08	4.86	4.71	5.05
1929	4.34	5.03	4.99	5.51	4.98	5.39	5.21	5.28	5.39	5.12	5.10	4.90	5.10
1930	4.85	4.87	4.80	4.85	5.05	5.06	5.23	5.38	5.32	5.49	4.86	5.01	5.06
1931	4.79	4.86	5.57	5.10	5.23	5.45	5.50	5.53	5.43	5.30	4.96	4.83	5.21
1932	5.16	5.08	4.75	5.06	5.08	5.30	5.35	5.34	5.51	5.20	5.55	5.06	5.20
1933	5.30	4.71	5.00	5.43	5.40	5.48	5.54	5.64	5.67	5.45	5.02	4.94	5.30
1934	4.87	4.56	4.89	5.30	5.16	5.40	5.37	5.37	5.56	5.39	5.10	4.84	5.15
1935	4.89	4.78	5.02	5.49	5.19	5.50	5.42	5.49	5.45	5.32	5.80	5.13	5.29
1936	4.81	4.94	5.42	5.13	5.09	5.41	5.55	5.39	5.49	5.40	4.94	5.04	5.22
1937	5.19	5.39	4.87	5.48	5.40	5.47	5.54	5.36	5.52	5.43	5.25	5.11	5.33
1938	5.35	5.23	5.26	5.24	5.42	5.42	5.37	5.47	5.55	5.77	5.30	5.23	5.38

RUN DATE 11/16/82

STATION NO. 8518750
NEW YORK(THE BATTERY), NY 40 42.0N 74 05.5W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1939	5.06	5.11	5.28	5.39	5.56	5.59	5.53	5.71	5.63	5.47	5.31	4.99	5.39
1940	4.87	5.46	5.03	5.41	5.71	5.59	5.44	5.56	5.59	5.57	5.18	5.23	5.39
1941	5.35	4.97	4.90	5.45	5.36	5.55	5.51	5.48	5.44	5.33	5.20	5.13	5.31
1942	5.10	4.91	5.43	5.43	5.47	5.68	5.61	5.62	5.78	5.70	5.37	5.04	5.43
1943	5.13	4.96	5.16	5.20	5.40	5.54	5.55	5.67	5.70	5.76	5.39	4.83	5.36
1944	5.12	4.99	5.27	5.42	5.38	5.63	5.58	5.56	5.59	5.60	5.88	4.97	5.42
1945	4.91	5.03	5.45	5.35	5.71	5.65	5.68	5.66	5.75	5.59	5.77	5.65	5.52
1946	5.15	5.03	5.46	5.48	5.59	5.56	5.59	5.77	5.72	5.71	5.46	5.04	5.46
1947	5.13	4.84	5.18	5.40	5.56	5.73	5.60	5.72	5.68	5.52	5.85	4.90	5.43
1948	5.10	5.28	5.48	5.35	5.68	5.77	5.66	5.61	5.66	5.91	5.58	5.54	5.55
1949	5.43	5.37	5.11	5.42	5.56	5.48	5.58	5.67	5.57	5.74	5.50	4.91	5.44
1950	5.01	5.18	4.74	5.27	5.30	5.30	5.36	5.53	5.69	5.61	5.69	5.52	5.35
1951	5.16	5.19	5.76	5.51	5.72	5.86	5.55	5.71	5.65	5.78	5.46	5.15	5.54
1952	5.33	5.31	5.49	5.55	5.71	5.63	5.49	5.57	5.72	5.38	5.57	5.69	5.54
1953	5.65	5.05	5.49	5.55	5.80	5.54	5.59	5.67	5.68	5.74	5.66	5.06	5.54
1954	5.25	5.32	5.12	5.35	5.78	5.72	5.63	5.56	5.65	5.65	5.43	5.15	5.47
1955	5.22	5.16	5.17	5.80	5.54	5.75	5.67	5.91	5.70	5.98	5.56	5.03	5.54
1956	5.55	5.18	5.52	5.67	5.44	5.63	5.70	5.88	5.89	5.88	5.59	5.40	5.61
1957	4.94	5.31	5.59	5.23	5.52	5.57	5.55	5.60	5.58	5.76	5.44	5.27	5.45
1958	5.56	5.30	6.02	5.93	5.60	5.69	5.78	5.79	5.87	5.99	5.42	5.15	5.68
1959	5.04	4.95	5.26	5.66	5.26	5.61	5.52	5.66	5.69	5.82	5.47	5.59	5.46
1960	5.62	5.34	5.46	5.58	5.73	5.89	5.75	5.90	6.03	5.84	5.52	5.17	5.65
1961	5.17	5.58	5.73	5.80	5.68	5.59	5.76	5.44	5.75	5.64	5.32	5.32	5.56
1962	4.96	5.58	6.12	5.52	5.79	5.86	5.88	5.82	5.78	5.76	5.78	5.36	5.68
1963	5.56	4.82	5.39	5.46	5.38	5.63	5.70	5.64	5.63	5.54	5.66	5.08	5.46
1964	5.22	5.17	5.48	5.37	5.59	5.52	5.77	5.78	5.93	5.85	5.86	5.36	5.58
1965	5.49	5.31	5.38	5.64	5.59	5.75	5.78	5.60	5.77	5.66	5.59	5.58	5.60
1966	5.11	5.22	5.40	5.58	5.51	5.63	5.73	5.77	6.02	5.54	5.83	5.50	5.57
1967	5.58	5.41	5.71	5.91	5.91	5.89	5.93	5.86	5.83	5.57	5.39	5.68	5.72
1968	5.25	5.25	5.42	5.57	5.80	5.93	5.73	5.74	5.83	5.58	5.74	4.98	5.57
1969	5.14	5.57	5.52	5.54	5.60	5.87	5.94	5.85	5.93	5.88	5.97	5.77	5.72
1970	5.36	5.40	5.43	5.72	5.58	5.76	5.72	5.89	5.80	5.91	6.06	5.71	5.70
1971	5.30	5.41	5.41	5.65	5.83	5.88	5.72	5.71	5.96	6.19	5.92	5.41	5.70
1972	5.27	5.35	5.62	5.75	5.97	5.99	5.86	5.87	6.05	5.82	6.18	5.82	5.80
1973	5.56	5.74	5.98	5.89	5.93	5.84	5.90	5.88	5.87	5.81	5.35	5.53	5.77
1974	5.60	5.46	5.44	5.51	5.77	5.97	5.86	5.75	5.90	5.50	5.60	5.66	5.67
1975	5.33	5.42	5.46	5.48	5.78	5.82	5.79	5.84	5.84	6.09	5.82	5.73	5.70
1976	5.35	5.19	5.53	5.54	5.52	5.70	5.87	5.83	5.79	5.76	5.16	4.88	5.51
1977	4.86	4.94	5.24	5.26	5.56	5.78	5.73	5.81	6.15	6.03	5.99	5.83	5.60
1978	5.45	6.02	5.64	5.87	5.97	5.80	5.93	5.99	6.12	5.88	5.95	5.35	5.83
1979	5.65	5.40	5.53	5.77	5.78	5.77	5.79	5.91	5.86	5.72	5.55	5.28	5.67
1980	5.37	5.38	5.43	5.84	5.84	5.68	5.71	5.83	5.76	5.65	5.42	5.06	5.58

RUN DATE 11/16/82

STATION NO. 8531680

SANDY HOOK,NJ 40 28.0N 74 00.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1932											4.57	4.12	
1933	4.36	3.80	4.05	4.46	4.43	4.54	4.55	4.70	4.67	4.50	4.02	4.00	4.34
1934	3.89	3.63	3.96	4.30	4.21	4.46	4.41	4.37	4.57	4.44	4.12	3.91	4.19
1935	3.96	3.88	4.04	4.55	4.21	4.51	4.40	4.51	4.48	4.32	4.89	4.17	4.33
1936	3.87	4.00	4.49	4.18	4.16	4.47	4.62	4.47	4.58	4.51	4.02	4.14	4.29
1937	4.28	4.49	3.97	4.54	4.46	4.57	4.62	4.47	4.63	4.57	4.32	4.25	4.43
1938	4.43	4.33	4.39	4.35	4.54	4.47	4.38	4.47	4.54	4.85	4.35	4.27	4.45
1939	4.13	4.12	4.38	4.42	4.59	4.65	4.60	4.77	4.68	4.51	4.34	4.00	4.43
1940	3.92	4.59	4.04	4.42	4.74	4.59	4.52	4.63	4.65	4.69	4.24	4.28	4.44
1941	4.44	4.04	4.03	4.47	4.41	4.58	4.52	4.50	4.46	4.34	4.17	4.17	4.34
1942	4.11	4.04	4.46	4.48	4.47	4.68	4.64	4.64	4.81	4.76	4.38	4.04	4.46
1943	4.19	3.95	4.16	4.19	4.34	4.51	4.55	4.63	4.72	4.72	4.38	3.78	4.34
1944	4.14	3.99	4.24	4.39	4.38	4.62	4.56	4.56	4.60	4.64	4.87	3.91	4.41
1945	3.92	4.06	4.41	4.34	4.70	4.65	4.64	4.66	4.74	4.57	4.85	4.64	4.52
1946	4.16	4.07	4.51	4.50	4.60	4.63	4.64	4.83	4.86	4.77	4.48	4.08	4.51
1947	4.22	3.83	4.22	4.47	4.59	4.79	4.65	4.80	4.73	4.63	4.91	4.00	4.49
1948	4.27	4.33	4.54	4.43	4.74	4.88	4.75	4.71	4.74	5.04	4.67	4.68	4.65
1949	4.49	4.41	4.22	4.46	4.63	4.55	4.63	4.76	4.62	4.82	4.56	3.99	4.51
1950	4.08	4.26	3.85	4.35	4.37	4.37	4.44	4.63	4.80	4.73	4.80	4.62	4.44
1951	4.21	4.32	4.87	4.56	4.87	4.97	4.68	4.84	4.79	4.93	4.67	4.27	4.66
1952	4.45	4.46	4.64	4.63	4.82	4.80	4.61	4.74	4.85	4.51	4.74	4.87	4.68
1953	4.83	4.23	4.65	4.70	4.95	4.70	4.72	4.86	4.82	4.92	4.84	4.23	4.70
1954	4.43	4.47	4.31	4.51	4.93	4.86	4.77	4.74	4.80	4.81	4.59	4.34	4.63
1955	4.45	4.30	4.31	4.98	4.74	4.93	4.88	5.06	4.84	5.09	4.70	4.18	4.70
1956	4.73	4.32	4.66	4.75	4.56	4.79	4.84	5.02	5.01	5.01	4.66	4.51	4.74
1957	4.13	4.47	4.81	4.42	4.73	4.76	4.74	4.77	4.75	4.92	4.57	4.39	4.62
1958	4.72	4.44	5.16	5.03	4.78	4.77	4.79	4.90	4.90	5.11	4.73	4.44	4.81
1959	4.07	4.08	4.43	4.72	4.44	4.79	4.64	4.94	4.85	4.99	4.63	4.71	4.61
1960	4.70	4.50	4.66	4.80	5.05	5.00	4.91	5.08	5.11	5.03	4.62	4.28	4.81
1961	4.37	4.76	4.95	5.00	4.81	4.82	4.89	4.81	5.04	5.00	4.78	4.48	4.81
1962	4.24	4.79	5.16	4.51	4.77	4.82	4.84	4.95	4.93	4.91	4.99	4.46	4.78
1963	4.39	4.08	4.59	4.66	4.58	4.79	4.76	4.72	5.02	4.74	4.89	4.24	4.62
1964	4.45	4.37	4.58	4.44	4.65	4.64	4.78	4.84	5.00	4.88	4.77	4.50	4.66
1965	4.60	4.50	4.59	4.82	4.77	4.79	4.83	4.73	4.94	4.66	4.69	4.63	4.71
1966	4.58	4.53	4.65	4.87	4.75	4.77	4.92	4.88	5.12	4.65	4.76	4.60	4.76
1967	4.56	4.48	4.77	5.01	5.01	4.94	4.97	4.94	5.04	4.83	4.61	4.90	4.84
1968	4.37	4.31	4.56	4.67	4.95	5.12	4.91	4.93	5.03	4.74	4.97	4.24	4.73
1969	4.26	4.79	4.76	4.71	4.75	5.05	5.16	5.03	5.17	5.06	5.09	4.89	4.89
1970	4.57	4.60	4.70	4.95	4.72	4.86	4.83	5.00	4.90	5.13	5.32	5.00	4.88
1971	4.57	4.70	4.72	4.95	5.08	5.11	4.98	4.99	5.19	5.40	5.16	4.75	4.97
1972	4.58	4.73	4.93	5.02	5.20	5.23	5.08	5.00	5.22	5.02	5.41	5.10	5.04
1973	4.77	5.03	5.25	5.11	5.16	5.04	5.12	5.21	5.21	5.11	4.59	4.72	5.03
1974	4.88	4.88	4.63	4.75	5.02	5.19	5.06	4.82	5.02	4.74	4.85	4.92	4.90
1975	4.60	4.66	4.70	4.70	5.04	5.18	4.99	5.01	5.10	5.26	5.04	4.96	4.94
1976	4.60	4.44	4.73	4.77	4.73	4.87	5.00	4.94	5.00	4.96	4.42	4.07	4.71
1977	4.06	4.14	4.44	4.46	4.76	5.02	4.87	4.95	5.36	5.12	5.03	4.92	4.76

RUN DATE 11/16/82

STATION NO. 8531680

SANDY HOOK,NJ 40 28.0N 74 00.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1978	4.49	5.08	4.67	5.05	5.08	4.89	4.99	5.15	5.29	5.00	5.10	4.53	4.94
1979	4.80	4.64	4.68	4.92	4.93	4.95	5.00	5.10	5.09	4.92	4.78	4.54	4.86
1980	4.63	4.63	4.64	5.05	5.07	4.87	4.93	5.05	4.98	4.84	4.61	4.34	4.80

RUN DATE · 11/16/82

STATION NO. 8534720

ATLANTIC CITY,NJ 39 21.3N 74 25.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1911									5.50	6.51	5.89	5.98	
1912	5.74	5.66	5.84	5.84	6.06	6.11	6.08	6.23	6.55	6.27	6.01	5.64	6.00
1913	5.73	5.64	5.48	6.10	6.21	6.21	6.09	6.34	6.36	6.68	6.15	6.02	6.08
1914	6.41	5.82	5.86	6.04	6.23	6.14	6.37	6.26	6.42	6.44	6.01	6.41	6.20
1915	6.21	6.19	6.19	6.03	6.21	6.41	6.39	6.52	6.37	6.40	6.21	5.97	6.26
1916	5.82	5.92	6.07	6.34	6.15	6.44	6.21	6.45	6.34	6.33	6.14	5.81	6.17
1917	5.82	5.71	6.08	6.14	6.46	6.25	6.27	6.27	6.39	6.29	6.29	6.07	6.17
1918	6.08	5.80	6.08	6.52	6.08	6.41	6.41	6.26	6.30	6.19	6.25	6.36	6.23
1919	5.81	6.15	6.20	6.18	6.50	6.56	6.40	6.68	6.49	6.64	6.66	6.19	6.37
1920	6.02	6.24	5.70	6.40	6.48	6.55	6.23	6.43	6.50	6.52	6.44	6.21	6.31
1922												6.14	
1923	6.10	5.96	6.00	6.14	6.12	6.18	6.28	6.28	6.27	6.49	6.45	6.01	6.19
1924	5.57	6.24	6.56	6.13	6.46	6.40	6.21	6.41	6.43	6.43	6.10	5.65	6.22
1925	6.18	5.91	5.84	6.16	6.25	6.21	6.29	6.32	6.49	6.19	5.87	5.82	6.13
1926	5.61	6.10	5.72	5.93	6.18	6.24	6.35	6.59	6.62	6.45	6.06	6.17	6.17
1927	5.82	6.31	6.25	6.25	6.32	6.44	6.31	6.60	6.49	6.53	6.28	6.34	6.33
1928	5.58	5.88	6.04	6.01	6.40	6.35	6.30	6.53	6.65	6.22	6.02	5.94	6.16
1929	5.56	6.22	6.01	6.53	5.94	6.43	6.24	6.38	6.49	6.25	6.18	5.98	6.18
1930	6.04	6.01	5.90	5.98	6.13	6.07	6.29	6.51	6.44	6.74	6.10	6.21	6.20
1931	6.01	6.09	6.79	6.16	6.28	6.58	6.58	6.74	6.63	6.53	6.15	6.05	6.38
1932	6.33	6.34	5.99	6.21	6.22	6.40	6.40	6.39	6.73	6.38	6.76	6.28	6.37
1933	6.56	5.93	6.19	6.50	6.49	6.64	6.68	6.86	6.85	6.71	6.24	6.19	6.49
1934	6.05	5.91	6.03	6.33	6.20	6.43	6.46	6.51	6.72	6.64	6.27	6.06	6.30
1935	6.15	5.98	6.08	6.64	6.27	6.58	6.43	6.61	6.65	6.52	7.05	6.38	6.44
1936	6.04	6.17	6.38	6.18	6.20	6.54	6.67	6.48	6.63	6.60	6.15	6.32	6.36
1937	6.40	6.64	6.14	6.63	6.48	6.59	6.68	6.50	6.75	6.61	6.40	6.33	6.51
1938	6.49	6.42	6.41	6.35	6.58	6.51	6.35	6.57	6.63	6.94	6.42	6.33	6.50
1939	6.26	6.23	6.41	6.43	6.63	6.67	6.66	6.90	6.84	6.76	6.57	6.22	6.55
1940	6.17	6.75	6.24	6.36	6.74	6.65	6.55	6.76	6.82	6.84	6.33	6.36	6.55
1941	6.64	6.25	6.21	6.59	6.54	6.70	6.60	6.61	6.60	6.48	6.31	6.32	6.49
1942	6.27	6.21	6.51	6.55	6.52	6.80	6.73	6.73	6.95	6.88	6.53	6.23	6.58
1943	6.32	6.08	6.25	6.35	6.40	6.57	6.64	6.71	6.98	7.00	6.55	6.02	6.49
1944	6.36	6.23	6.52	6.58	6.45	6.75	6.66	6.74	6.80	6.85	7.15	6.06	6.60
1945	6.18	6.21	6.55	6.44	6.73	6.79	6.80	6.80	6.93	6.67	6.94	7.00	6.67
1946	6.36	6.19	6.54	6.65	6.66	6.65	6.67	6.96	7.00	6.95	6.70	6.30	6.64
1947	6.40	6.13	6.37	6.51	6.58	6.77	6.60	6.88	6.87	6.70	7.04	6.22	6.59
1948	6.31	6.51	6.47	6.44	6.69	6.83	6.65	6.76	6.82	7.25	6.81	6.77	6.69
1949	6.45	6.47	6.22	6.36	6.52	6.54	6.55	6.78	6.76	6.91	6.62	6.07	6.52
1950	6.06	6.41	5.92	6.30	6.40	6.33	6.46	6.71	6.96	6.86	6.72	6.69	6.48
1951	6.22	6.29	6.84	6.49	6.81	6.97	6.67	6.86	6.75	6.94	6.60	6.18	6.64
1952	6.45	6.48	6.65	6.47	6.78	6.71	6.53	6.62	6.88	6.52	6.70	6.79	6.63
1953	6.70	6.09	6.52	6.48	6.78	6.61	6.68	6.84	6.82	6.95	6.88	6.16	6.63
1954	6.38	6.39	6.20	6.27	6.83	6.77	6.72	6.69	6.76	6.76	6.50	6.24	6.54
1955	6.57	6.17	6.24	6.83	6.53	6.81	6.70	7.00	6.86	7.03	6.68	6.28	6.64
1956	6.89	6.33	6.65	6.69	6.37	6.73	6.77	6.99	7.16	7.05	6.69	6.45	6.73
1957	6.14	6.46	6.79	6.21	6.55	6.60	6.66	6.78	6.77	6.98	6.57	6.24	6.56

RUN DATE 11/16/82

STATION NO. 8534720

ATLANTIC CITY,NJ 39 21.3N 74 25.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1958	6.71	6.43	7.13	6.79	6.65	6.77	6.72	6.82	6.80	7.06	6.60	6.46	6.74
1959	6.10	6.10	6.28	6.67	6.38	6.74	6.58	6.83	6.84	6.91	6.57	6.66	6.56
1960	6.70	6.54	6.68	6.71	7.06	6.92	6.61	6.79	6.82	6.97	6.48	6.12	6.70
1961	6.15	6.49	6.92	6.80	6.75	6.69	7.06	7.26	7.44	7.36	6.83	6.30	6.84
1962	6.28	6.85	7.19	6.53	6.78	6.81	6.85	6.99	6.98	6.95	7.16	6.66	6.84
1963	6.50	6.21	6.65	6.70	6.60	6.86	6.84	6.77	7.20	6.96	6.92	6.33	6.71
1964	6.52	6.49	6.56	6.44	6.64	6.67	6.77	6.82	7.04	6.95	6.84	6.56	6.69
1965	6.68	6.51	6.53	6.75	6.67	6.77	6.76	6.67	6.91	6.72	6.62	6.52	6.68
1966	6.49	6.40	6.45	6.63	6.71	6.73	6.79	6.80	6.91	6.55	6.71	6.53	6.64
1967	6.55	6.46	6.74	6.94	6.96	6.80	6.75	6.76	7.06	6.94	6.65	6.96	6.80
1968	6.55	6.50	6.64	6.69	6.99	7.07	6.91	6.94	7.07	6.85	7.15	6.45	6.82
1969	6.44	7.01	6.83	6.60	6.76	7.05	7.16	7.01	7.24	7.20	7.15	7.03	6.96
1970													
1971							6.89	6.98	7.04	7.50	7.24	6.67	
1972	6.58	6.77	6.93	6.91	7.06	7.02	7.05	7.10	7.31	7.12	7.46	7.19	7.04
1973	6.84	7.08	7.26	7.12	7.16	7.07	7.14	7.22	7.21	7.14	6.60	6.85	7.06
1974	7.01	6.98	6.73	6.84	7.10	7.21	7.15	7.09	7.26	6.85	6.96	6.97	7.01
1975	6.73	6.78	6.87	6.74	7.12	7.09	7.03	7.08	7.11	7.32	7.00	6.95	6.98
1976	6.55	6.35	6.61	6.79	6.68	6.85	6.95	7.05	7.16	7.06	6.51	6.22	6.73
1977			6.60	6.45	6.65	6.89	6.69	6.75	7.17	6.86	6.84	6.73	6.76
1978	6.70	7.18	6.80	7.17	7.18	6.98	7.21	7.25	7.49	7.31	7.42	6.78	7.12
1980	7.06	7.05	6.84	6.97	7.12	6.95	7.04	7.23	7.17	7.08	6.95	6.69	7.01

RUN DATE 11/16/82

STATION NO. 8545530

PHILADELPHIA,PA 39 57.1N 75 08.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1922						6.89	6.82	6.69	6.78	6.55	6.21	6.15	
1923	6.15	5.67	6.75	6.81	6.78	6.36	6.61	6.64	6.59	6.71	6.63	6.50	6.52
1924	6.24	6.50	6.79	7.02	7.29	6.91	6.65	6.69	6.66	6.80	6.29	5.75	6.63
1925	6.22	6.67	6.34	6.59	6.60	6.49	6.57	6.52	6.66	6.27	6.41	6.04	6.45
1926	5.84	6.32	6.19	6.44	6.51	6.59	6.55	6.96	7.03	6.80	6.73	6.27	6.52
1927	5.91	6.70	6.82	6.66	6.86	6.86	6.75	6.96	6.92	7.19	7.00	6.97	6.80
1928	5.92	6.46	6.43	6.72	7.00	7.09	7.23	7.06	7.04	6.50	6.06	6.06	6.63
1929	5.62	6.32	6.64	7.20	6.69	6.78	6.54	6.62	6.73	6.62	6.54	6.29	6.55
1930	6.29	6.42	6.42	6.40	6.38	6.61	6.60	6.69	6.65	6.66	6.10	6.06	6.44
1931	5.97	6.06	6.86	6.66	6.82	6.91	7.05	6.92	6.79	6.63	6.27	6.02	6.58
1932	6.70	6.47	5.96	6.64	6.57	6.71	6.66	6.68	6.85	6.67	7.27	6.59	6.65
1933	6.69	6.05	6.59	7.31	7.06	7.00	7.03	7.50	7.46	6.98	6.41	6.30	6.86
1934	6.35	5.76	6.40	7.08	6.78	6.95	6.88	6.81	7.20	6.85	6.52	6.44	6.67
1935	6.33	6.21	6.69	6.96	6.76	6.95	7.09	6.97	6.94	6.71	7.30	6.45	6.78
1936	6.31	6.42	7.79	6.95	6.64	6.91	6.94	6.77	6.85	6.88	6.27	6.58	6.78
1937	7.03	6.89	6.32	7.25	7.08	7.05	7.06	6.92	6.95	6.99	6.74	6.56	6.90
1938	6.81	6.69	6.70	6.77	6.89	7.00	7.18	7.07	7.17	7.12	6.69	6.85	6.91
1939	6.38	6.82	7.00	7.09	6.97	6.97	6.87	7.06	7.01	6.75	6.60	6.13	6.80
1940	6.07	6.55	6.61	7.43	7.27	7.13	6.86	6.99	7.09	6.93	6.69	6.78	6.87
1941	6.74	6.13	6.22	7.07	6.66	6.97	6.97	6.82	6.71	6.60	6.35	6.27	6.63
1942	6.34	6.02	6.94	6.80	7.07	7.14	6.95	7.16	7.19	7.26	6.72	6.46	6.84
1943	6.54	6.42	6.70	6.60	6.97	7.03	6.88	6.88	6.83	6.91	6.60	5.97	6.69
1944	6.23	6.18	6.70	6.95	6.91	6.97	6.87	6.72	6.82	6.70	6.84	6.15	6.67
1945	6.03	6.36	7.09	6.84	7.17	7.30	7.42	7.20	7.31	7.04	7.10	7.08	7.00
1946	6.60	6.26	7.17	6.82	7.20	7.24	7.12	7.11	7.07	7.04	6.72	6.21	6.88
1947	6.45	5.95	6.54	7.06	7.21	7.24	7.15	7.07	7.03	6.78	7.28	6.24	6.83
1948	6.33	6.69	7.21	7.03	7.30	7.29	7.02	6.97	7.02	7.14	6.94	6.86	6.98
1949	7.09	6.95	6.44	6.87	7.15	7.01	6.92	6.95	6.81	6.98	6.65	6.20	6.84
1950	6.35	6.58	6.29	6.79	6.88	6.81	6.80	6.91	7.07	6.97	7.08	7.02	6.80
1951	6.57	6.78	7.29	7.20	7.08	7.34	6.99	7.10	7.03	7.14	7.01	6.71	7.02
1952	6.93	6.79	7.08	7.35	7.42	7.13	7.00	7.00	7.26	6.63	7.00	7.27	7.07
1953	7.21	6.64	7.08	7.25	7.43	7.10	6.98	7.06	7.00	6.97	6.87	6.47	7.00
1954	6.37	6.70	6.67	6.92	7.30	7.10	7.00	6.85	7.02	6.96	6.86	6.45	6.85
1955	6.57	6.46	6.70	7.20	6.93	7.13	6.99	7.79	7.20	7.65	6.98	6.32	6.99
1956	6.67	6.56	6.99	7.31	7.11	7.17	7.17	7.26	7.35	7.30	6.99	6.95	7.07
1957	6.40	6.79	7.14	6.90	7.05	7.13	7.02	7.01	6.97	6.96	6.66	6.67	6.89
1958	6.71	6.31	7.44	7.84	7.34	7.10	6.97	7.13	7.02	7.27	6.93	6.62	7.06
1959	6.51	6.36	6.69					7.15	7.12		6.82	7.05	
1960				7.33	7.36								
1961	6.42	6.92	7.39	7.38	7.17	6.97	7.05	7.13	7.18	6.94	6.76	6.49	6.98
1962	6.52	6.87	7.43	6.96	7.09	7.07	7.02	7.33	7.26	7.07	7.19	6.47	7.02
1963	6.27	6.04	7.04	6.80	6.80	7.10	6.92	6.84	7.12	6.74	6.83	6.25	6.73
1964	6.54	6.35	6.88	6.84	6.96	6.84	6.92	7.01	7.14	6.87	6.76	6.40	6.79
1965	6.50	6.54	6.70	6.80	6.90	6.84	7.01	6.87	7.05	6.84	6.60	6.56	6.77
1966	6.24	6.52	6.93	7.05	7.03	6.95	7.01	6.95	7.22	6.77	6.90	6.50	6.84
1967	6.63	6.54	6.96	7.15	7.31	7.15	7.15	7.32	7.21	7.01	6.68	7.05	7.01

RUN DATE 11/16/82

STATION NO. 8545530

PHILADELPHIA,PA 39 57.1N 75 08.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1968	6.45	6.38	6.74	6.96	7.26	7.53	7.18	7.09	7.20	6.85	6.99	6.24	6.91
1969	6.29	6.57	6.77	7.02	7.04	7.36	7.49	7.39	7.31	7.17	7.14	6.70	7.02
1970	6.49	6.79	6.84	7.23	7.08	7.17	7.12	7.28	7.12	7.31	7.52	6.94	7.07
1971	6.56	7.03	7.04	7.12	7.30	7.36	7.07	7.21	7.50	7.70	7.28	6.95	7.18
1972	6.74	6.64	7.21	7.37	7.58	7.81	7.44	7.25	7.37	7.09	7.67	7.40	7.30
1973	7.01	7.17	7.37	7.56	7.64	7.50	7.52	7.40	7.37	7.27	6.58	7.15	7.30
1974	7.22	6.92	6.86	7.19	7.33	7.42	7.26	7.20	7.36	6.83	6.83	7.17	7.13
1975	6.85	7.02	6.99	6.58	7.45	7.44	7.45	7.22	7.42	7.52	7.37	6.93	7.19
1976	6.77	6.89	7.02	6.87	6.96	7.14	7.16	7.12	7.15	7.32	6.52	6.13	6.92
1977	6.10	6.17	6.98	7.01	6.94	7.14	6.97	7.07	7.53	7.28	7.30	7.30	6.98
1978	6.96	6.92	7.21	7.36	7.58	7.10	7.23	7.35	7.44	7.11	7.15	6.53	7.16
1979	7.18	6.63	7.16	7.12	7.33	7.27	7.20	7.24	7.44	7.27	7.03	6.55	7.12
1980	6.68	6.43	6.71	7.50	7.32	6.97	7.02	7.10	7.04	6.87	6.62	6.25	6.88

RUN DATE 11/16/82

STATION NO. 8557380

LEWES,DE 38 46.9N 75 07.2W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1919		4.12	4.19	4.19	4.39	4.54	4.32	4.67	4.67	4.56	4.68	4.22	
1920						4.35	4.14	4.32	4.44	4.48	4.32	4.42	
1921	3.94	4.26	3.88	4.26	4.70	4.29	4.62	4.45	4.35	4.21	4.44	4.13	4.29
1922	3.96	4.15	4.11	4.25	4.20	4.20	4.40	4.37	4.53	4.28	4.24	4.22	4.24
1923	3.92	4.05	3.92	4.21									
1936					4.06	4.36	4.50	4.30	4.55	4.47	3.99	4.14	
1937	4.28	4.54	4.02	4.49	4.33	4.35	4.51	4.27	4.63	4.48	4.25	4.19	4.36
1938	4.35	4.32	4.25	4.21	4.43	4.35	4.21	4.37	4.47	4.82	4.38	4.24	4.37
1939	4.13	4.06	4.31	4.26	4.52	4.55	4.47	4.67	4.70	4.63	4.47	3.99	4.40
1947					4.58	4.77	4.57	4.81	4.95	4.69	5.09	4.14	
1948	4.42	4.46	4.55	4.50	4.77	4.89	4.66	4.69	4.84	5.23	4.71	4.77	4.71
1949	4.50	4.48	4.24	4.41	4.63	4.54	4.52	4.73	4.73	4.95	4.63	4.08	4.54
1950	4.09	4.43											
1951													
1952						4.73	4.55	4.73	4.87	4.58	4.70	4.88	
1953	4.79	4.20	4.62	4.56	4.87	4.66	4.69	4.88	4.80	5.02	4.82	4.14	4.67
1954	4.48	4.40	4.23	4.45	4.91	4.79	4.69	4.68	4.80	4.83	4.55	4.28	4.59
1955	4.54	4.24	4.18	4.84	4.60	4.87	4.68	4.95	4.92	4.95	4.68	4.29	4.64
1956	4.90	4.24	4.61	4.65	4.50	4.75	4.76	4.97	5.16	5.22	4.75	4.52	4.75
1957	4.22	4.55	4.83	4.30	4.66	4.72	4.60	4.73	4.73	4.95	4.58	4.28	4.60
1958	4.55	4.25	5.13	4.95	4.71	4.73	4.61	4.82	4.84	5.21	4.67	4.49	4.75
1959	4.14	4.08	4.37	4.68	4.47	4.71	4.51	4.84	4.81	4.99	4.64	4.64	4.57
1960	4.58	4.49	4.69	4.68	4.96	4.99	4.84	5.03	5.12	5.09	4.61	4.33	4.78
1961	4.34	4.79	4.97	4.88	4.75	4.59	4.75	4.71	5.02	5.11	4.75	4.50	4.76
1962	4.22	4.76	5.23	4.33	4.74	4.77	4.71	4.89	5.17	5.32	5.31	4.55	4.83
1963	4.33	4.09	4.44	4.51	4.48	4.72	4.65	4.58	5.03	4.74	4.75	4.21	4.54
1964	4.46	4.48	4.54	4.60	4.86	4.82	4.93	4.95	5.07	4.91	4.76	4.51	4.74
1965	4.67	4.38	4.53	4.74	4.59	4.70	4.71	4.66	4.80	4.69	4.59	4.49	4.63
1966	4.46	4.37	4.42	4.60	4.68	4.65	4.77	4.60	4.97	4.51	4.74	4.55	4.61
1967	4.41	4.37	4.69	4.85	4.93	4.80	4.77	4.80	4.97	4.62	4.41	4.67	4.69
1968	4.21	4.25	4.28	4.43	4.75	4.82	4.62	4.82	4.97	4.69	4.86	4.23	4.58
1969	4.43	4.89	4.76	4.56	4.70	4.95	5.08	5.02	5.16	5.16	5.13	4.98	4.90
1970	4.70	4.57	4.77	4.95	4.75	4.84	4.79	5.03	4.90	5.11	5.23	4.97	4.88
1971	4.55	4.65	4.65	4.85	4.92	4.99	4.71	4.85	5.09	5.42	5.10	4.62	4.87
1972	4.54	4.59	4.83	4.97	5.10	5.03	4.91	4.97	5.37	5.18	5.33	5.06	4.99
1973	4.85	5.17	5.21	5.08	5.13	5.00	5.10	5.26	5.34	5.25	4.64	4.74	5.06
1974	4.85	4.82	4.54	4.58	4.89								4.85
1975	4.50	4.66	4.68	4.66	4.92	4.94	4.88	5.04	5.04	5.23	4.99	4.91	4.87
1976	4.54	4.31	4.60	4.73	4.60	4.76	4.91	4.95	4.99	5.03	4.40	4.12	4.66
1977	3.93	4.01	4.31	4.33	4.62	4.88	4.73	4.75	5.21	4.95	4.91	4.81	4.62
1978	4.36	5.02	4.67	4.91	4.94	4.75	4.92	4.98	5.24	5.01	5.19	4.43	4.87
1979	4.60	4.66	4.52	4.79	4.69	4.83	4.92	5.01	5.05	4.84	4.74	4.51	4.76

RUN DATE 11/16/82

STATION NO. 8574680

BALTIMORE,MD 39 16.ON 76 34.7W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1902						4.30	4.44	4.49	4.16	4.53	4.42	4.00	
1903	3.64	3.47	4.04	4.36	4.37	4.78	4.39	4.61	4.50	4.39	3.92	3.42	4.16
1904	3.52	3.33	3.77	3.82	4.17	4.35	4.28	4.21	4.36	4.12	3.90	3.70	3.96
1905	3.41	3.37	3.79	3.92	4.11	4.32	4.44	4.49	4.39	4.20	3.94	3.80	4.02
1906	3.90	3.50	3.62	3.97	4.09	4.52	4.57	4.57	4.37	4.34	3.74	3.46	4.05
1907	3.72	3.52	3.87	3.78	4.14	4.44	4.23	4.27	4.25	4.01	4.00	3.95	4.02
1908	3.64	3.56	3.85	3.76	4.24	4.37	4.33	4.55	4.51	4.46	3.70	3.72	4.06
1909	3.72	3.63	3.71	3.96	4.44	4.37	4.28	4.54	4.46	4.03	3.95	3.87	4.08
1910	3.84	3.50	4.00	4.42	4.17	4.36	4.49	4.45	4.65	4.37	3.77	3.75	4.15
1911	3.71	3.86	3.73	4.08	4.12	4.38	4.21	4.44	4.60	4.52	3.78	3.77	4.10
1912	3.39	3.61	3.74	3.89	4.30	4.21	4.21	4.28	4.69	4.23	3.87	3.60	4.00
1913	3.74	3.53	3.52	3.94	4.09	4.23	4.20	4.47	4.40	4.43	4.01	3.77	4.03
1914	3.99	3.44	3.54	4.13	4.13	4.18	4.40	4.38	4.23	4.46	3.85	3.99	4.06
1915	3.99	3.95	3.79	3.81	4.24	4.46	4.51	4.62	4.45	4.42	4.13	3.64	4.17
1916	3.80	3.48	3.72	4.18	4.18	4.61	4.51	4.51	4.44	4.34	4.08	3.67	4.13
1917	3.73	3.49	4.05	3.99	4.33	4.34	4.47	4.51	4.42	4.32	3.99	3.69	4.11
1918	3.85	3.73	3.99	4.35	4.18	4.49	4.40	4.48	4.41	4.38	4.11	4.12	4.21
1919	3.67	3.85	3.86	4.07	4.63	4.77	4.70	4.61	4.54	4.61	4.48	3.87	4.30
1920	3.67	3.75	3.62	4.37	4.40	4.40	4.29	4.44	4.44	4.40	4.20	4.09	4.17
1921	3.75	4.09	4.04	4.24	4.68	4.44	4.48	4.39	4.60	4.11	4.23	3.96	4.25
1922	3.33	3.80	3.97	4.13	4.38	4.41	4.49	4.45	4.58	4.38	3.98	3.88	4.15
1923	3.87	3.62	4.05	4.20	4.34	4.13	4.39	4.44	4.45	4.28	4.26	4.02	4.17
1924	3.64	4.00	4.13	4.27	4.71	4.54	4.40	4.54	4.57	4.27	4.08	3.42	4.21
1925	3.89	4.03	3.70	4.15	4.23	4.31	4.38	4.33	4.54	4.03	3.90	3.51	4.08
1926	3.45	3.88	3.57	3.88	4.10	4.25	4.28	4.60	4.73	4.45	4.10	3.88	4.10
1927	3.47	4.12	3.99	4.11	4.31	4.44	4.41	4.50	4.49	4.49	4.13	4.02	4.21
1928	3.38	3.71	3.85	4.05	4.28	4.54	4.46	4.59	4.56	4.28	3.73	3.72	4.10
1929	3.26	3.83	3.93	4.35	4.21	4.49	4.32	4.40	4.51	4.27	4.09	3.83	4.12
1930	3.76	3.94	3.88	3.96	4.01	4.24	4.32	4.50	4.49	4.36	3.80	3.75	4.08
1931	3.70	3.73	4.13	4.05	4.34	4.47	4.59	4.41	4.45	4.36	4.07	3.80	4.18
1932	4.20	4.09	3.55	4.01	4.20	4.41	4.31	4.47	4.61	4.33	4.33	4.05	4.21
1933	4.09	3.66	3.81	4.50	4.53	4.49	4.73	4.90	4.81	4.56	4.00	3.93	4.33
1934	3.80	3.40	3.88	4.38	4.28	4.62	4.60	4.48	4.83	4.33	4.05	3.84	4.21
1935	3.79	3.78	4.04	4.30	4.26	4.58	4.57	4.68	4.60	4.40	4.47	3.79	4.27
1936	3.78	4.04	4.59	4.21	4.27	4.58	4.65	4.57	4.59	4.59	3.94	3.99	4.32
1937	4.35	4.18	3.79	4.58	4.58	4.62	4.72	4.62	4.60	4.64	4.28	4.09	4.42
1938	4.33	4.09	4.30	4.30	4.49	4.53	4.56	4.50	4.54	4.63	4.38	4.12	4.40
1939	4.00	4.21	4.36	4.36	4.66	4.73	4.69	4.65	4.88	4.46	4.19	3.86	4.42
1940	3.70	4.18	4.08	4.37	4.74	4.66	4.53	4.88	4.62	4.57	4.19	4.29	4.40
1941	4.11	3.63	3.73	4.49	4.27	4.68	4.71	4.53	4.60	4.43	4.23	4.01	4.28
1942	3.99	3.67	4.34	4.40	4.67	4.80	4.67	4.80	4.87	4.96	4.36	4.03	4.46
1943	4.06	4.02	4.09	4.21	4.48	4.69	4.70	4.77	4.57	4.61	4.25	3.78	4.35
1944	3.93	3.89	4.21	4.31	4.62	4.68	4.78	4.66	4.65	4.46	4.46	3.79	4.37
1945	3.82	3.98	4.45	4.46	4.79	4.73	4.90	4.77	5.03	4.73	4.67	4.56	4.57
1946	4.25	4.07	4.63	4.61	4.75	4.82	4.86	4.82	4.82	4.84	4.53	4.11	4.59
1947	4.24	3.70	4.12	4.57	4.58	4.98	4.81	4.91	4.88	4.67	4.87	3.94	4.52

RUN DATE 11/16/82

STATION NO. 8574680

BALTIMORE,MD 39 16.0N 76 34.7W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1948	3.88	4.24	4.52	4.51	4.79	4.84	4.82	4.71	4.87	4.77	4.72	4.48	4.60
1949	4.42	4.41	3.99	4.41	4.71	4.83	4.80	4.86	4.66	4.87	4.40	3.93	4.52
1950	4.10	4.16	3.72	4.24	4.52	4.51	4.58	4.73	4.89	4.81	4.78	4.36	4.45
1951	4.15	4.08	4.74	4.60	4.69	5.11	4.80	4.89	4.92	4.84	4.27	4.17	4.60
1952	4.18	4.30	4.46	4.53	4.85	4.66	4.74	4.79	4.89	4.42	4.67	4.55	4.59
1953	4.61	4.15	4.40	4.56	4.90	4.90	4.82	4.89	4.92	4.84	4.51	4.09	4.63
1954	4.09	4.34	4.18	4.58	4.76	4.84	4.75	4.60	4.86	4.74	4.43	3.94	4.51
1955	4.21	4.12	4.18	4.71	4.72	4.80	4.83	5.26	4.98	5.11	4.45	3.97	4.61
1956	4.16	4.16	4.40	4.65	4.79	4.86	4.88	5.01	5.04	5.08	4.65	4.45	4.68
1957	4.00	4.36	4.67	4.47	4.81	4.96	4.72	4.77	4.89	4.69	4.51	4.13	4.58
1958	4.24	3.75	4.65	5.03	4.77	4.91	4.79	4.88	4.89	4.97	4.60	4.24	4.64
1959	3.95	4.01	4.23	4.74	4.54	4.59	4.82	5.01	4.96	5.04	4.54	4.45	4.57
1960	4.38	4.30	4.16	4.77	5.12	5.07	4.95	5.08	5.17	4.88	4.62	3.93	4.70
1961	4.02	4.56	4.81	4.70	4.75	4.84	4.83	4.84	4.95	4.79	4.61	4.32	4.67
1962	4.07	4.45	4.89	4.40	4.86	4.91	4.88	5.01	5.00	4.90	4.78	4.20	4.70
1963	4.11	3.86	4.45	4.45	4.56	4.76	4.75	4.70	4.93	4.57	4.53	3.94	4.47
1964	4.13	3.96	4.46	4.48	4.63	4.64	4.80	4.85	4.98	4.74	4.58	4.29	4.54
1965	4.27	4.28	4.35	4.63	4.68	4.80	4.87	4.75	5.00	4.68	4.53	4.39	4.60
1966	3.97	4.16	4.50	4.65	4.76	4.77	4.90	4.77	4.97	4.58	4.67	4.21	4.58
1967	4.28	4.09	4.47	4.63	4.86	4.98	4.90	4.96	4.90	4.82	4.42	4.62	4.66
1968	4.14	3.98	4.22	4.67	4.90	5.03	4.91	4.91	5.01	4.73	4.77	3.95	4.60
1969	4.01	4.10	4.39	4.66	4.78	5.08	5.14	4.93	5.08	4.96	4.76	4.14	4.67
1970	4.15	4.20	4.42	4.86	4.73	5.01	4.97	5.12	4.99	5.10	5.07	4.65	4.77
1971	4.17	4.55	4.36	4.57	4.86	5.00	4.84	4.82	5.18	5.39	4.84	4.54	4.76
1972	4.42	4.26	4.67	4.91	5.14	5.18	5.02	5.09	5.16	4.81	4.98	4.76	4.87
1973	4.61	4.60	4.95	4.88	5.06	5.07	5.07	5.11	5.18	5.12	4.38	4.44	4.87
1974	4.73	4.46	4.30	4.57	4.95	5.10	4.93	4.97	5.03	4.53	4.55	4.66	4.73
1975	4.34	4.57	4.48	4.12	5.05	5.00	5.11	4.94	5.18	5.07	4.95	4.63	4.79
1976	4.36	4.38	4.67	4.52	4.73	5.07	4.87	4.95	5.04	4.89	4.27	3.97	4.64
1977	3.37	3.67	4.42	4.48	4.68	4.84	4.80	4.90	5.28	4.86	4.87	4.72	4.57
1978	4.30	4.56	4.57	4.86	5.10	4.84	5.08	5.12	5.30	4.94	4.98	4.28	4.83
1979	4.39	4.25	4.68	4.66	4.86	5.00	4.95	4.99	5.23	4.94	4.73	4.31	4.75
1980	4.42	4.13	4.18	4.92	4.97	4.75	4.84	4.94	4.94	4.65	4.30	4.07	4.59

RUN DATE 11/16/82

STATION NO. 8575512

ANNAPOLIS,MD 38 59.0N 76 28.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1928									4.84	4.53	4.00	4.02	
1929	3.57	4.14	4.19	4.62	4.44	4.72	4.56	4.66	4.78	4.60	4.41	4.06	4.40
1930	4.10	4.26	4.20	4.26	4.30	4.49	4.57	4.75	4.70	4.73	4.07	4.00	4.37
1931	3.95	3.98	4.45	4.31	4.58	4.69	4.80	4.70	4.72	4.63	4.34	4.02	4.43
1932	4.53	4.45	3.98	4.33	4.49	4.66	4.58	4.71	4.90	4.63	4.64	4.36	4.52
1933	4.42	3.97	4.14	4.80	4.80	4.80	4.99	5.14	5.06	4.86	4.31	4.24	4.63
1934	4.11	3.72	4.09	4.62	4.54	4.86	4.83	4.76	5.05	4.63	4.31	4.14	4.47
1935	4.11	4.02	4.31	4.62	4.55	4.82	4.79	4.92	4.97	4.77	4.84	4.14	4.57
1936	4.09	4.27	4.81	4.47	4.54	4.83	4.88	4.76	4.85	4.86	4.21	4.27	4.57
1937	4.60	4.53	4.13	4.85	4.83	4.87	4.96	4.86	4.87	4.94	4.56	4.36	4.70
1938	4.56	4.45	4.61	4.62	4.79	4.80	4.80	4.77	4.79	4.89	4.63	4.37	4.67
1939	4.30	4.41	4.61	4.62	4.85	4.94	4.90	4.91	5.15	4.73	4.51	4.21	4.68
1940	4.05	4.54	4.47	4.65	5.03	4.95	4.81	5.19	4.95	4.91	4.54	4.60	4.72
1941	4.47	4.02	4.07	4.79	4.57	4.96	4.96	4.79	4.87	4.69	4.51	4.31	4.58
1942	4.29	4.09	4.62	4.69	4.91	5.03	4.91	5.02	5.14	5.21	4.67	4.34	4.74
1943	4.35	4.30	4.37	4.52	4.71	4.93	4.94	5.03	4.89	4.89	4.57	4.07	4.63
1944	4.25	4.23	4.54	4.63	4.90	5.00	5.03	4.93	4.92	4.84	4.84	4.08	4.68
1945	4.21	4.28	4.72	4.76	5.05	5.03	5.16	5.07	5.31	5.03	5.03	4.86	4.88
1946	4.57	4.41	4.89	4.93	5.01	5.08	5.20	5.20	5.18	5.14	4.86	4.38	4.90
1947	4.49	4.04	4.36	4.81	4.88	5.24	5.02	5.16	5.18	4.97	5.21	4.26	4.80
1948	4.14	4.48	4.78	4.79	5.04	5.10	5.10	4.96	5.15	5.08	4.99	4.81	4.87
1949	4.71	4.70	4.29	4.74	4.99	5.13	5.04	5.12	4.93	5.09	4.62	4.20	4.80
1950	4.35	4.41	4.03	4.54	4.77	4.73	4.81	4.96	5.16	5.08	4.98	4.67	4.71
1951	4.40	4.45	5.01	4.87	4.95	5.33	5.00	5.11	5.13	5.12	4.58	4.42	4.86
1952	4.48	4.65	4.76	4.84	5.09	4.93	4.92	4.99	5.20	4.73	4.92	4.86	4.86
1953	4.89	4.44	4.70	4.83	5.15	5.12	5.05	5.16	5.17	5.14	4.81	4.37	4.90
1954	4.39	4.62	4.55	4.85	5.07	5.10	5.02	4.88	5.12	4.99	4.70	4.24	4.79
1955	4.53	4.36	4.47	4.98	4.91	5.01	4.99	5.46	5.17	5.29	4.76	4.27	4.85
1956	4.53	4.44	4.70	4.93	4.97	5.09	5.09	5.28	5.29	5.34	4.89	4.68	4.94
1957	4.29	4.64	4.91	4.67	5.01	5.16	4.98	5.00	5.13	4.98	4.81	4.42	4.83
1958	4.59	4.16	4.97	5.24	5.02	5.14	5.03	5.14	5.17	5.27	4.94	4.58	4.94
1959	4.35	4.32	4.57	5.02	4.77	4.92	4.98	5.25	5.21	5.33	4.83	4.78	4.86
1960	4.69	4.66	4.47	4.94	5.34	5.30	5.18	5.34	5.40	5.15	4.88	4.27	4.97
1961	4.37	4.84	5.11	5.08	5.07	5.07	5.06	5.12	5.23	5.11	4.91	4.64	4.97
1962	4.42	4.76	5.27	4.73	5.20	5.17	5.14	5.26	5.23	5.23	5.16	4.58	5.01
1963	4.48	4.22	4.78	4.83	4.85	5.07	5.08	4.98	5.23	4.90	4.88	4.33	4.80
1964	4.50	4.36	4.81	4.73	4.95	4.94	5.02	5.18	5.29	5.06	4.93	4.60	4.86
1965	4.57	4.63	4.74	5.02	5.02	5.11	5.16	5.07	5.26	5.04	4.90	4.74	4.94
1966	4.42	4.56	4.87	5.01	5.10	5.06	5.13	5.16	5.30	4.86	5.01	4.60	4.92
1967	4.59	4.48	4.80	5.04	5.23	5.26	5.20	5.31	5.25	5.14	4.79	4.97	5.00
1968	4.53	4.47	4.58	4.99	5.22	5.34	5.24	5.21	5.38	5.08	5.02	4.35	4.95
1969	4.43	4.60	4.80	4.91	5.14	5.46	5.47						5.02
1970	4.60	4.63	4.83	5.22	5.00	5.25	5.17	5.36	5.14	5.40	5.40	4.98	5.08
1971	4.58	4.85	4.73	5.00	5.18	5.33	5.17	5.13	5.44	5.70	5.16	4.88	5.10
1972	4.79	4.63	5.02	5.21	5.44	5.49	5.35	5.36	5.48	5.19	5.34	5.09	5.20
1973	4.90	4.90	5.23	5.16	5.32	5.30	5.32	5.34	5.44	5.32	4.66	4.75	5.14

RUN DATE 11/16/82

STATION NO. 8575512

ANNAPOLIS,MD 38 59.0N 76 28.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1974	5.09	4.89	4.70	4.85	5.25	5.40	5.23	5.31	5.37	4.87	4.88	5.02	5.07
1975	4.72	4.91	4.82	4.59	5.24	5.33	5.40	5.25	5.44	5.40	5.34	5.03	5.12
1976													
1977	4.21	4.08	4.58	4.64	4.98	5.14	5.12	5.23	5.62	5.13	5.24	5.06	4.92
1978	4.71	4.96	4.92	5.23	5.41	5.20	5.41	5.44	5.68	5.42	5.42	4.77	5.21
1979	4.80	4.60	5.02	5.02	5.15	5.30	5.27	5.30	5.50	5.19	5.04	4.62	5.07
1980	4.80	4.52	4.54	5.21	5.25	5.06	5.10	5.26	5.29	5.03	4.70	4.46	4.94

RUN DATE 11/16/82

STATION NO. 8577330
SOLOMONS ISLAND,MD 38 19.0N 76 27.2W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1937												3.64	
1938	3.83	3.66	3.77	3.77	3.97	3.94	3.96	4.05	4.03	4.11	3.85	3.61	3.88
1939	3.52	3.58	3.81	3.81	4.01	4.09	4.07	4.07	4.29	3.96	3.75	3.41	3.86
1940	3.28	3.77	3.67	3.83	4.18	4.08	3.95	4.36	4.16	4.06	3.70	3.75	3.90
1941	3.76	3.29	3.35	3.95	3.78	4.10	4.10	4.01	4.07	3.89	3.71	3.57	3.80
1942	3.51	3.38	3.77	3.84	3.99	4.21	4.10	4.20	4.36	4.40	3.88	3.56	3.93
1943	3.60	3.47	3.60	3.73	3.89	4.07	4.09	4.15	4.14	4.18	3.76	3.32	3.83
1944	3.55	3.50	3.82	3.86	4.02	4.16	4.16	4.11	4.20	4.12	4.14	3.32	3.91
1945	3.49	3.53	3.85	3.95	4.18	4.19	4.28	4.28	4.52	4.21	4.22	4.18	4.07
1946	3.76	3.58	4.08	4.11	4.14	4.20	4.34	4.36	4.40	4.37	4.11	3.64	4.09
1947	3.72	3.31	3.58	3.94	4.02	4.36	4.14	4.34	4.39	4.19	4.45	3.52	4.00
1948	3.52	3.79	3.95	3.95	4.19	4.34	4.22	4.15	4.38	4.40	4.22	4.06	4.10
1949	3.90	3.92	3.56	3.92	4.15	4.25	4.19	4.31	4.21	4.37	3.93	3.43	4.01
1950	3.53	3.72	3.31	3.75	3.99	3.88	3.96	4.21	4.46	4.34	4.14	3.94	3.94
1951	3.62	3.76	4.27	4.05	4.21	4.52	4.17	4.35	4.33	4.43	3.85	3.67	4.10
1952	3.77	3.92	4.03	4.04	4.28	4.15	4.09	4.16	4.43	3.97	4.16	4.14	4.10
1953	4.15	3.67	3.99	4.03	4.36	4.27	4.27	4.38	4.38	4.41	4.07	3.54	4.13
1954	3.69	3.82	3.72	3.97	4.32	4.28	4.23	4.14	4.32	4.26	3.96	3.52	4.02
1955	3.83	3.61	3.70	4.21	4.18	4.31	4.21	4.70	4.48	4.51	4.05	3.61	4.12
1956	3.95	3.71	3.97	4.13	4.18	4.31	4.32	4.52	4.58	4.68	4.15	3.94	4.20
1957	3.59	3.95	4.24	3.93	4.25	4.36	4.21	4.33	4.38	4.31	4.07	3.70	4.11
1958	3.91	3.55	4.34	4.48	4.27	4.34	4.20	4.40	4.40	4.62	4.18	3.84	4.21
1959	3.55	3.54	3.78	4.23	3.96	4.16	4.14	4.41	4.43	4.54	4.04	3.95	4.06
1960	3.93	3.93	3.82	4.13	4.53	4.50	4.37	4.57	4.67	4.42	4.10	3.58	4.21
1961	3.70	4.17	4.41	4.33	4.26	4.27	4.28	4.32	4.48	4.46	4.16	3.87	4.23
1962	3.67	4.05	4.55	3.92	4.40	4.37	4.34	4.49	4.45	4.40	4.40	3.85	4.24
1963	3.73	3.50	3.99	4.04	4.05	4.29	4.20	4.17	4.48	4.18	4.13	3.51	4.02
1964	3.72	3.64	3.97	3.90	4.13	4.12	4.21	4.36	4.55	4.32	4.15	3.82	4.07
1965	3.88	3.87	3.94	4.21	4.16	4.26	4.33	4.21	4.44	4.25	4.11	3.96	4.14
1966	3.78	3.80	4.08	4.26	4.27	4.23	4.34	4.28	4.65	4.13	4.19	3.87	4.16
1967	3.82	3.73	3.93	4.19	4.29	4.32	4.37	4.41	4.57	4.38	4.13	4.25	4.20
1968	3.86	3.85	3.88	4.23	4.38	4.50	4.38	4.40	4.55	4.25	4.24	3.64	4.18
1969	3.72	3.91	4.04	4.04	4.21	4.57	4.60	4.44	4.65	4.53	4.40	3.92	4.25
1970	3.73	3.77	4.02	4.32	4.13								4.33
1971	3.87	4.08	3.99	4.28	4.45	4.58	4.40	4.40	4.71	4.98	4.70	4.06	4.38
1972	3.99	3.94	4.25	4.46	4.66	4.63	4.56	4.61	4.80	4.53	4.72	4.34	4.46
1973	4.22			4.38	4.62							3.98	4.39
1974	4.32	4.18	4.01	4.07	4.48	4.66	4.51	4.52	4.60	4.13	4.18	4.25	4.33
1975	4.00	4.21	4.20	3.87	4.55	4.50	4.52	4.47	4.73	4.72	4.51	4.28	4.38
1976	3.94					4.43	4.36	4.53		4.44	3.80		4.15
1977	3.34	3.46	3.89	3.95	4.16	4.33	4.28	4.38	4.81	4.44	4.45	4.27	4.15
1978	3.92	4.18	4.15	4.45	4.59	4.30	4.58	4.59	4.86	4.51	4.53	3.85	4.38
1979	3.99	4.11	4.16	4.28	4.35	4.50	4.48	4.54	4.72	4.42	4.26	3.90	4.31
1980	4.12	3.87	3.84	4.41	4.46	4.23	4.26	4.47	4.44	4.24	3.92	3.72	4.16

RUN DATE 11/16/82

STATION NO. 8594900

WASHINGTON,DC 38 52.5N 77 01.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1931	4.95	4.95	5.35	5.35	5.51	5.56	5.68	5.62	5.57	5.48	5.16	4.89	5.34
1932	5.38	5.31	4.87	5.27	5.62	5.59	5.40	5.58	5.77	5.47	5.70	5.29	5.44
1933	5.35	4.92	5.12	6.02	5.84	5.65	5.89	6.12	5.95	5.71	5.06	5.02	5.55
1934	4.99	4.60	5.07	5.55	5.38	5.66	5.62	5.55	5.97	5.47	5.12	5.11	5.34
1935	5.12	5.17	5.30	5.71	5.51	5.69	5.59	5.78	5.83	5.50	5.69	4.97	5.49
1936	5.28	5.76	6.76	5.53	5.38	5.66	5.73	5.60	5.68	5.72	4.99	5.24	5.61
1937	5.85	5.60	5.02	6.24	5.78	5.70	5.78	5.73	5.76	6.03	5.56	5.31	5.70
1938	5.49	5.29	5.48	5.48	5.65	5.62	5.61	5.52	5.65	5.77	5.46	5.30	5.53
1939	5.19	5.62	5.62	5.58	5.79	5.82	5.77	5.78	5.94	5.57	5.35	4.96	5.58
1940	4.92	5.47	5.41	5.78	5.95	5.98	5.64	6.09	5.82	5.70	5.39	5.48	5.64
1941	5.40	4.83	4.94	5.78	5.36	5.81	5.80	5.60	5.66	5.48	5.28	5.12	5.42
1942	5.12	4.80	5.51	5.62	5.91	5.92	5.73	6.01	5.98	6.83	5.51	5.33	5.69
1943	5.44	5.38	5.46	5.49	5.65	5.76	5.71	5.78	5.68	5.73	5.30	4.83	5.52
1944	5.14	5.09	5.65	5.60	5.85	5.75	5.81	5.68	5.76	5.66	5.57	4.95	5.54
1945	5.08	5.25	5.66	5.62	5.87	5.78	5.95	5.93	6.38	5.78	5.77	5.80	5.74
1946	5.52	5.28	5.86	5.75	5.93	5.94	5.93	5.94	5.97	5.89	5.58	5.15	5.73
1947	5.37	4.75	5.20	5.61	5.68	6.01	5.78	5.96	5.97	5.77	6.05	5.08	5.60
1948	5.05	5.54	5.78	5.76	5.95	5.98	5.87	5.79	6.02	6.00	5.94	5.91	5.80
1949	5.81	5.70	5.18	5.60	5.83	6.03	5.99	5.96	5.77	5.94	5.47	5.05	5.69
1950	5.18	5.45	4.94	5.33	5.76	5.56	5.56	5.77	6.09	5.96	5.79	5.67	5.59
1951	5.29	5.54	5.96	5.87	5.86	6.30	5.79	5.91	5.92	5.96	5.32	5.25	5.75
1952	5.49	5.56	5.75	5.94	6.13	5.77	5.73	5.82	6.05	5.52	5.87	5.79	5.78
1953	5.97	5.41	5.83	5.73	6.10	5.98	5.88	5.98	5.99	5.92	5.62	5.13	5.80
1954	5.19	5.38	5.41	5.69	5.89	5.88	5.79	5.65	5.88	5.89	5.54	5.05	5.60
1955	5.35	5.28	5.56	5.90	5.84	5.98	5.87	6.61	6.12	6.12	5.47	5.05	5.76
1956	5.27	5.47	5.69	5.89	5.87	5.92	5.99	6.14	6.16	6.27	5.78	5.60	5.84
1957	5.20	5.73	5.91	5.66	5.89	6.02	5.77	5.86	5.99	5.79	5.67	5.36	5.74
1958	5.51	5.01	6.11	6.35	6.13	5.97	5.85	5.98	5.96	6.12	5.75	5.35	5.84
1959	5.08	5.08	5.37	5.92	5.64	5.72	5.78	6.06	6.13	6.16	5.60	5.55	5.67
1960	5.52	5.58	5.38	6.08	6.36	6.21	5.94	6.17	6.28	5.96	5.66	4.99	5.84
1961	5.17	6.05	6.12	6.12	5.95	5.86	5.77	5.85	6.01	5.93	5.67	5.42	5.83
1962	5.29	5.68	6.52	5.64	6.05	5.98	5.95	6.07	6.10	5.98	5.97	5.29	5.88
1963	5.25	4.96	6.01	5.53	5.62	5.85	5.78	5.70	6.04	5.71	5.62	5.06	5.59
1964	5.40	5.23	5.79	5.69	5.83	5.73	5.81	6.09	6.10	5.88	5.72	5.38	5.72
1965	5.51	5.58	5.78	5.93	5.92	5.94	5.95	5.84	6.03	5.78	5.59	5.49	5.78
1966	5.12	5.48	5.72	5.85	6.01	5.78	5.87	5.88	6.14	5.71	5.79	5.41	5.73
1967	5.45	5.25	5.91	5.73	6.27	6.06	6.00	6.10	6.08	5.96	5.51	5.87	5.85
1968	5.39	5.36	5.55	5.84	6.05	6.14	5.95	5.94	6.12	5.78	5.73	4.96	5.73
1969	5.15	5.27	5.62	5.70	5.92	6.19	6.19	6.04	6.22	6.03	5.88	5.28	5.79
1970	5.43	5.58	5.80	6.34	5.89	6.10	6.04	6.19	6.03	6.25	6.33	5.86	5.99
1971	5.50	6.04	5.64	5.83	6.13	6.26	5.98	5.99	6.32	6.67	6.01	5.73	6.01
1972	5.61	5.64	6.04	6.26	6.46	6.99	6.33	6.23	6.31	6.13	6.33	6.27	6.22
1973	5.87	5.95	6.21	6.37	6.33	6.17	6.11	6.19	6.27	6.24	5.48	5.77	6.08
1974	6.17	5.72	5.59	5.77	6.11	6.36	6.09	6.12	6.16	5.59	5.59	5.90	5.93
1975	5.56	5.86	5.95	5.34	6.26	6.16	6.22	6.01	6.60	6.35	6.11	5.75	6.01
1976	5.70	5.50	5.81	5.65	5.77	6.09	5.87	5.98	6.06	6.39	5.38	5.13	5.78

RUN DATE 11/16/82

STATION NO. 8594900

WASHINGTON,DC 38 52.5N 77 01.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1977	4.87	4.94	5.57	5.72	5.69	5.84	5.82	5.89	6.28	5.81	6.05	5.94	5.70
1978	5.66	5.70	6.22	6.12	6.50	5.89	6.17	6.24	6.39	6.00	6.07	5.42	6.03
1979	5.79	5.88	6.28	6.03	6.06	6.16	6.03	6.09	6.51	6.31	5.94	5.42	6.04
1980	5.75	5.31	5.51	6.32	6.23	5.79	5.83	5.98				5.17	

RUN DATE 11/16/82

STATION NO. 8632200

KIPTOPEKE,VA 37 10.0N 75 59.3W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1951									4.79	5.15	4.57	4.23	
1952	4.36	4.50	4.59	4.49	4.73	4.65	4.48	4.55	4.90	4.65	4.74	4.80	4.62
1953	4.70	4.23	4.54	4.50	4.75	4.61	4.70	4.87	4.83	4.97	4.78	4.10	4.63
1954	4.39	4.37	4.22	4.33	4.82	4.70	4.63	4.59	4.75	4.80	4.53	4.20	4.53
1955	4.54	4.22	4.18	4.65	4.53	4.75	4.51	5.00	4.95	4.94	4.65	4.21	4.59
1956	4.90	4.22	4.49	4.61	4.51	4.68	4.60	4.93	5.16	5.29	4.73	4.38	4.71
1957	4.17	4.66	4.92	4.38	4.69	4.72	4.68	4.85	4.88	4.98	4.63	4.25	4.65
1958	4.57	4.37	4.99	4.84	4.60	4.67	4.51	4.89	4.88	5.27	4.81	4.54	4.74
1959	4.18	4.12	4.43	4.59	4.32	4.61	4.51	4.80	4.91	5.07	4.72	4.60	4.57
1960	4.56	4.56	4.59	4.60	4.91	4.92	4.86	5.11	5.23	5.12	4.72	4.40	4.80
1961	4.34	4.63	4.93	4.85	4.73	4.54	4.61	4.69	5.10	5.02	4.82	4.49	4.73
1962	4.20	4.64	5.17	4.32	4.71	4.72	4.75	4.90	4.96	4.97	5.23	4.61	4.76
1963	4.36	4.14	4.47	4.55	4.45	4.68	4.67	4.63	5.09	4.89	4.74	4.33	4.58
1964	4.39	4.36	4.46	4.33	4.66	4.59	4.58	4.79	5.18	5.03	4.80	4.49	4.64
1965	4.62	4.48	4.59	4.79	4.61	4.72	4.64	4.49	4.74	4.63	4.65	4.40	4.61
1966	4.64	4.47	4.54	4.61	4.62	4.62	4.70	4.76	5.08	4.76	4.65	4.52	4.66
1967	4.32	4.41	4.53	4.80	4.89	4.93	4.94	4.82	5.15	4.85	4.66	4.88	4.76
1968	4.49	4.49	4.41	4.60	4.85	4.86	4.78	4.84	5.01	4.80	4.85	4.24	4.68
1969	4.36	4.80	4.72	4.46	4.56	4.89	4.99	4.86	5.14	5.19	5.01	4.66	4.80
1970	4.52	4.47	4.64	4.87	4.74	4.81	4.71	5.03	4.86	5.21	5.24	4.94	4.84
1971	4.55	4.53	4.60	4.82	4.91	4.98	4.79	4.84	5.14	5.52	5.18	4.63	4.87
1972	4.55	4.55	4.81	4.92	5.22	4.97	4.95	5.06	5.39	5.21	5.28	4.91	4.98
1973	4.81	5.01	5.08	4.90	4.95	4.76	4.83	4.99	5.18	5.18	4.50	4.63	4.90
1974	4.81	4.79	4.52	4.50	4.89	5.15	4.96	4.94	5.15	4.75	4.73	4.76	4.83
1975	4.49	4.65	4.76	4.52	4.92	4.91	4.95	4.97	5.16	5.22	5.03	4.92	4.88
1976	4.57	4.30	4.53	4.61	4.50	4.67	4.75	4.92	4.90	4.97	4.34	4.12	4.60
1977	3.97	3.92	4.29	4.33	4.64	4.92	4.81	4.66	5.23	5.15	5.05	4.90	4.66
1978	4.45	5.02	4.79	5.03				4.98	5.34	5.14	5.27	4.51	
1979	4.65	4.89	4.62	4.83	4.74	4.91	4.93	5.05	5.16	4.96	4.84	4.58	4.85
1980	4.84	4.73	4.58	4.93	5.01	4.77	4.69	4.89	4.94	4.90	4.72	4.55	4.80
1981	4.35	4.33	4.73	4.39	4.99	4.87	4.91	5.09	5.20	5.01	5.07	4.64	4.80

RUN DATE 11/16/82

STATION NO. 8638610
HAMPTON RDS.(NORFOLK),VA 36 56.8N 76 19.9W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1927								5.08	5.03	4.97			
1928	4.02	4.37	4.55	4.51	4.95	4.71	4.65	4.90	5.31	4.84	4.44	4.52	4.65
1929	4.07	4.72	4.48	4.88	4.43	4.95	4.68	4.92	5.17	4.85	4.76	4.43	4.70
1930	4.67	4.57	4.35	4.55	4.59	4.48	4.68	4.94	4.85	5.29	4.60	4.70	4.69
1931	4.41	4.49	5.15	4.64	4.68	4.98	4.91	5.04	5.12	4.97	4.58	4.51	4.79
1932	4.79	4.79	4.42	4.69	4.75	4.74	4.72	4.77	5.27	4.91	5.39	4.79	4.84
1933	4.93	4.47	4.66	5.19	5.06	5.23	5.23	5.36	5.47	5.44	4.64	4.63	5.03
1934	4.56	4.50	4.65	4.88	4.84	4.84	4.79	4.82	5.30	5.20	4.72	4.57	4.81
1935	4.78	4.54	4.62	5.16	4.81	4.92	4.73	5.05	5.25	5.06	5.60	4.79	4.94
1936	4.55	4.81	4.88	4.69	4.72	4.94	5.00	4.81	5.22	5.11	4.63	4.76	4.84
1937	5.06	5.21	4.67	5.10	4.99	4.93	5.10	4.79	5.37	5.21	4.94	4.82	5.02
1938	4.87	4.91	4.83	4.96	5.13	5.02	4.71	4.90	5.11	5.56	5.04	4.85	4.99
1939	4.68	4.73	5.01	4.90	5.10	5.09	5.03	5.25	5.39	5.27	5.16	4.61	5.02
1940	4.77	5.08	4.90	4.98	5.32	5.18	5.07	5.49	5.46	5.42	4.94	4.91	5.13
1941	5.23	4.82	4.66	5.10	4.97	5.08	5.04	5.03	5.19	4.99	4.76	4.79	4.97
1942	4.71	4.72	4.82	4.96	4.94	5.28	5.11	5.22	5.54	5.61	5.10	4.73	5.06
1943	4.84	4.59	4.80	4.84	4.87	4.98	5.01	5.12	5.44	5.41	4.94	4.56	4.95
1944	4.82	4.72	5.05	5.01	4.93	5.21	4.99	4.98	5.33	5.48	5.54	4.56	5.05
1945	4.83	4.71	4.90	5.05	5.16	5.25	5.23	5.37	5.59	5.38	5.42	5.46	5.20
1946	4.98	4.73	5.14	5.17	5.18	5.13	5.30	5.45	5.60	5.53	5.34	4.80	5.20
1947	4.74	4.51	4.66	4.92	4.92	5.17	4.93	5.30	5.58	5.43	5.76	4.77	5.06
1948	4.90	5.13	5.08	5.07	5.20	5.30	5.13	5.15	5.54	5.75	5.33	5.38	5.25
1949	5.00	5.07	4.81	5.00	5.24	5.25	5.10	5.29	5.45	5.63	5.16	4.72	5.14
1950	4.59	5.01	4.49	4.90	5.05	4.89	4.83	5.21	5.66	5.50	5.09	5.12	5.03
1951	4.69	5.01	5.35	5.06	5.40	5.54	5.11	5.37	5.36	5.85	5.15	4.75	5.22
1952	4.99	5.16	5.27	5.10	5.29	5.22	5.01	5.07	5.51	5.26	5.29	5.38	5.21
1953	5.25	4.85	5.18	5.06	5.33	5.17	5.26	5.45	5.38	5.61	5.33	4.64	5.21
1954	5.01	4.90	4.84	4.97	5.45	5.33	5.20	5.15	5.26	5.32	5.08	4.75	5.10
1955	5.14	4.79	4.80	5.36	5.23	5.36	5.17	5.63	5.68	5.51	5.22	4.87	5.23
1956	5.46	4.81	5.04	5.19	5.09	5.26	5.16	5.45	5.75	6.04	5.31	4.93	5.29
1957	4.81	5.25	5.53	4.96	5.27	5.35	5.14	5.45	5.41	5.60	5.21	4.83	5.23
1958	5.21	4.84	5.69	5.60	5.32	5.32	5.01	5.35	5.44	5.93	5.31	5.12	5.34
1959	4.68	4.66	4.85	5.19	4.84	5.22	4.97	5.30	5.46	5.59	5.34	5.16	5.10
1960	5.15	5.08	5.23	5.27	5.58	5.50	5.32	5.64	5.72	5.65	5.21	4.87	5.35
1961	4.90	5.28	5.58	5.45	5.37	5.13	5.20	5.23	5.69	5.70	5.49	5.08	5.34
1962	4.78	5.35	5.86	4.90	5.38	5.36	5.36	5.53	5.54	5.56	5.89	5.09	5.38
1963	4.86	4.78	5.02	5.11	5.05	5.28	5.24	5.16	5.78	5.41	5.19	4.70	5.13
1964	4.77	4.93	5.10	4.99	5.25	5.17	5.13	5.33	5.89	5.60	5.27	5.08	5.21
1965	5.17	4.85	5.10	5.38	5.18	5.35	5.16	5.09	5.40	5.31	5.18	5.12	5.19
1966	5.12	4.96	5.13	5.27	5.35	5.27	5.37	5.27	5.71	5.39	5.29	5.10	5.27
1967	4.90	4.89	5.30	5.53	5.65	5.55	5.30	5.43	5.84	5.45	5.20	5.52	5.38
1968	5.27	5.16	5.04	5.27	5.49	5.54	5.39	5.61	5.67	5.34	5.37	4.80	5.33
1969	5.00	5.51	5.45	5.11	5.17	5.45	5.58	5.49	5.78	5.82	5.53	5.19	5.42
1970	5.06	5.04	5.22	5.44	5.41	5.50	5.37	5.61	5.36	5.88	5.81	5.37	5.42
1971	4.90	5.00	5.18	5.48	5.54	5.60	5.35	5.44	5.83	6.25	5.85	5.31	5.48
1972	5.22	5.28	5.52	5.58	5.88	5.63	5.62	5.70	6.07	5.99	6.00	5.59	5.67

RUN DATE 11/16/82

STATION NO. 8638610

HAMPTON RDS.(NORFOLK),VA 36 56.8N 76 19.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1973	5.56	5.84	5.81	5.56	5.62	5.43	5.46	5.63	5.84	5.80	5.05	5.30	5.58
1974	5.55	5.53	5.19	5.15	5.57	5.84	5.54	5.51	5.82	5.41	5.29	5.37	5.48
1975	5.15	5.30	5.48	5.19	5.64	5.62	5.56	5.59	5.86	5.96	5.71	5.56	5.55
1976	5.19	4.89	5.20	5.33	5.21	5.37	5.39	5.61	5.58	5.72	5.05	4.80	5.28
1977	4.63	4.61	4.98	4.99	5.28	5.51	5.30	5.22	5.80	5.68	5.66	5.53	5.27
1978	5.10	5.73	5.53	5.78	5.76	5.39	5.63	5.59	6.03	5.76	5.92	5.05	5.61
1979	5.30	5.53	5.38	5.55	5.43	5.64	5.58	5.66	5.93	5.60	5.54	5.23	5.53
1980	5.56	5.43	5.28	5.57	5.65	5.39	5.28	5.48	5.53	5.45	5.27	5.13	5.42

RUN DATE 11/16/82

STATION NO. 8638660

PORTSMOUTH, VA 36 49.1N 76 17.6W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1935					7.03	7.14	6.98	7.30	7.47	7.27	7.82	7.04	7.26
1936	6.82	7.11	7.12	6.93	6.94	7.15	7.24	7.05	7.45	7.41	6.86	7.05	7.09
1937	7.32	7.45	6.90	7.32	7.16	7.14	7.34	6.96	7.57	7.42	7.19	7.07	7.24
1938	7.10	7.15	7.05	7.12	7.29	7.18	6.90	7.10	7.34	7.76	7.23	7.00	7.18
1939	6.84	6.92	7.17	7.06	7.30	7.25	7.24	7.43	7.59	7.43	7.39	6.81	7.20
1940	6.93	7.27	7.10	7.09	7.44	7.30	7.19	7.66	7.66	7.61	7.11	7.10	7.29
1941	7.36	6.97	6.86	7.28	7.12	7.21	7.15	7.17	7.37	7.12	6.89	6.98	7.12
1942	6.90	6.92	7.04	7.17	7.12	7.44	7.25	7.38	7.71	7.76	7.28	6.92	7.24
1943	7.03	6.74	7.00	7.02	7.03	7.11	7.16	7.29	7.60	7.59	7.11	6.73	7.12
1944	7.01	6.95	7.26	7.18	7.08	7.40	7.15	7.15	7.51	7.65	7.71	6.72	7.23
1945	6.98	6.88	7.01	7.16	7.26	7.36	7.35	7.49	7.72	7.52	7.56	7.70	7.33
1946	7.19	6.94	7.42	7.38	7.34	7.30	7.51	7.61	7.78	7.74	7.54	7.00	7.40
1947	6.99	6.75	6.89	7.13	7.15	7.39	7.15	7.48	7.78	7.60	7.96	7.01	7.27
1948	7.14	7.39	7.26	7.25	7.38	7.53	7.30	7.32	7.74	7.96	7.54	7.57	7.45
1949	7.21	7.25	7.04	7.18	7.44	7.39	7.23	7.49	7.59	7.78	7.27	6.85	7.31
1950	6.72	7.17	6.67	7.09	7.20	7.03	7.00	7.35	7.78	7.65	7.22	7.29	7.18
1951	6.84	7.17	7.50	7.21	7.56	7.69	7.26	7.55	7.54	8.03	7.31	6.92	7.38
1952	7.17	7.32	7.44	7.27	7.46	7.36	7.16	7.23	7.63	7.36	7.40	7.55	7.36
1953	7.40	6.99	7.34	7.18	7.46	7.31	7.41	7.63	7.54	7.80	7.51	6.77	7.36
1954	7.17	7.08	6.99	7.12	7.59	7.52	7.36	7.30	7.42	7.46	7.21	6.80	7.25
1955	7.29	6.94	6.91	7.50	7.34	7.50	7.32	7.77	7.87	7.68	7.38	7.03	7.38
1956	7.68	7.01	7.21	7.38	7.28	7.43	7.30	7.61	7.95	8.24	7.51	7.08	7.47
1957	6.98	7.43	7.69	7.06	7.42	7.47	7.27	7.58	7.57	7.82	7.37	7.01	7.39
1958	7.40	7.02	7.90	7.72	7.43	7.45	7.12	7.47	7.59	8.07	7.48	7.25	7.49
1959	6.88	6.81	7.07	7.39	7.01	7.37	7.19	7.47	7.63	7.70	7.44	7.28	7.27
1960	7.31	7.26	7.38	7.38	7.72	7.60	7.48	7.70	7.98	7.83	7.36	7.06	7.50
1961	7.11	7.50	7.72	7.62	7.46	7.23	7.34	7.39	7.82	7.84	7.66	7.26	7.50
1962	6.97	7.52	8.04	7.03	7.56	7.53	7.50	7.68	7.69	7.70	8.02	7.30	7.54
1963	7.11	7.02	7.19	7.27	7.23	7.46	7.37	7.33	7.93	7.67	7.41	6.97	7.33
1964	7.01	7.10	7.22	7.11	7.46	7.30	7.28	7.49	8.07	7.88	7.55	7.17	7.39
1965	7.37	7.22	7.33	7.54	7.43	7.54	7.45	7.39	7.59	7.57	7.39	7.27	7.42
1966	7.38	7.22	7.35	7.49	7.49	7.49	7.50	7.48	7.84	7.66	7.52	7.42	7.49
1967	7.16	7.16	7.44	7.60	7.72	7.55	7.44	7.57	8.04	7.71	7.38	7.69	7.54
1968	7.38	7.28	7.14	7.44	7.63	7.59	7.51	7.58	7.76	7.54	7.59	6.94	7.45
1969	7.20	7.70	7.61	7.22	7.29	7.63	7.71	7.64	7.97	8.06	7.79	7.46	7.61
1970	7.35	7.36	7.52	7.74	7.57	7.57	7.50	7.81	7.60	8.06	7.98	7.69	7.65
1971	7.22	7.16	7.30	7.66	7.72	7.83	7.52	7.62	7.99	8.45	7.97	7.39	7.65
1972	7.37	7.37	7.58	7.73	7.96	7.58	7.59	7.69	8.26	8.10	8.10	7.75	7.76
1973	7.65	7.93	7.94	7.68	7.74	7.53	7.63	7.78	7.96	7.98	7.21	7.44	7.71
1974	7.73	7.71	7.40	7.34	7.73	8.01	7.74	7.69	8.01	7.59	7.51	7.54	7.67
1975	7.34	7.53	7.66	7.39	7.77	7.77	7.70	7.75	8.00	8.11	7.86	7.77	7.72
1976	7.37	7.05	7.34	7.50	7.36	7.51	7.54	7.71	7.74	7.85	7.20	6.94	7.43
1977	6.81	6.80	7.15	7.13	7.48	7.62	7.48	7.40	8.01	7.80	7.82	7.68	7.43
1978	7.20	7.90	7.68	7.93	7.89	7.56	7.79	7.73	8.18	7.92	8.08	7.21	7.76
1979	7.43	7.70	7.50	7.70	7.59	7.78	7.74	7.82	8.05	7.72	7.68	7.43	7.68
1980	7.77	7.60	7.39	7.60	7.71	7.50	7.42	7.62	7.69	7.62	7.45	7.29	7.56

RUN DATE 11/16/82

STATION NO. 8658120

WILMINGTON,NC 34 13.6N 77 57.2W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1935					4.29	4.35	4.30	4.22	4.84	4.38	4.65	4.14	
1936	4.68	4.67	4.65	4.87	4.18	4.67	4.42	4.46	4.51	4.84	4.27	4.66	4.57
1937	4.66	5.05	4.41	4.77	4.64	4.42	4.38	4.57	4.71	4.54	4.22	4.16	4.54
1938	4.29	4.05	4.23	4.43	4.51	4.57	4.48	4.52	4.70	4.87	4.66	4.41	4.48
1939	4.32	4.70	4.99	4.39	4.61	4.45	4.59	4.67	4.87	4.49	4.22	3.98	4.52
1940	3.92	4.34	4.33	4.29	4.50	4.48	4.18	4.79	4.61	4.55	4.36	4.09	4.37
1941	4.19	4.09	4.07	4.36	4.11	4.38	4.50	4.21	4.30	4.28	4.22	3.95	4.22
1942	3.98	4.30	4.43	4.33	4.52	4.48	4.40	4.71	4.76	5.10	4.37	4.20	4.46
1943	4.36	4.24	4.35	4.69	4.54	4.67	5.00	4.59	4.62	4.79	4.35	4.15	4.53
1944	4.47	4.60	4.92	4.90	4.55	4.55	4.74	4.69	4.54	4.96	4.55	4.19	4.64
1945	4.27	4.14	4.23	4.30	4.40	4.50	4.89	4.91	5.69	5.07	4.59	4.96	4.66
1946	4.76	4.65	4.45	4.61	4.79	4.57	4.89	4.87	4.92	5.31	4.95	4.42	4.77
1947	4.61	4.21	4.26	4.41	4.38	4.64	4.58	4.51	5.13	5.05	5.62	4.89	4.69
1948	4.66	5.36	5.07	4.78	4.78	4.90	4.62	4.54	4.89	5.10	5.08	5.03	4.90
1949	4.45	4.61	4.39	4.48	4.89	4.76	4.85	4.81	5.12	4.97	4.70	4.16	4.68
1950	4.02	4.32	4.35	4.47	4.65	4.43	4.76	4.67	4.73	4.69	4.32	4.21	4.47
1951	4.07	4.10	4.49	4.54	4.47	4.62	4.29	4.51	4.52	4.80	4.57	4.40	4.45
1952	4.36	4.71	4.97	4.54	4.76	4.32	4.31	4.51	4.92	4.59	4.53	4.60	4.59
1953	4.54	4.40	4.63	4.50	4.48	4.53	4.42	4.49	4.70	4.80	4.45	4.35	4.52
1954	4.41	4.53	4.29	4.67	4.67	4.68	4.56	4.26	4.44	4.64	4.42	4.15	4.48
1955	4.36	4.30	4.30	4.60	4.69	4.68	4.69	5.18	5.54	5.20	4.54	4.12	4.68
1956	4.39	4.46	4.43	4.55	4.58	4.48	4.34	4.61	4.70	5.05	4.74	4.28	4.55
1957	4.07	4.56	4.97	4.37	4.62	4.81	4.69	4.79	4.93	5.03	4.91	4.82	4.71
1958	4.70	4.29	4.71	4.96	4.78	4.58	4.41	4.40	4.56	5.08	4.55	4.38	4.62
1959	4.36	4.20	4.50	4.74	4.54	4.73	4.79	4.66	4.80	5.07	4.93	4.56	4.66
1960	4.77	5.02	4.69			4.82							
1961	4.14	4.46	4.84	4.95	4.60	4.60	4.75	4.53	4.75	4.69	4.62	4.29	4.60
1962	4.13	4.55	5.07	4.49	4.59			4.65	4.85	4.84			
1963	4.74	4.53	4.43	4.36	4.40	4.37	4.41	4.45	4.86	4.61	4.69	4.33	4.52
1964	4.47	4.49	4.47	4.47	4.58	4.56	4.40	4.59	5.19	5.28	4.61	4.39	4.62
1965	4.35	4.51	4.59	4.51	4.36	4.59	4.90	4.68	4.75	4.63	4.51	4.16	4.54
1966	4.46	4.45	4.82	4.37	4.76	4.82	4.58	4.65	4.90	4.55	4.37	4.44	4.60
1967	4.44	4.44	4.20	4.52	4.69	4.66	4.49	4.79	5.05	4.80	4.64	4.60	4.61
1968	4.32	4.46	4.32	4.29	4.35	4.52	4.56	4.66	4.72	4.70	4.48	4.15	4.46
1969	4.05	4.67	4.72	4.43	4.51	4.85	4.72	5.04	4.90	4.94	4.87	4.58	4.69
1970	4.36	4.47	4.66	4.78	4.58	4.71	4.62	4.89	4.73	4.98	4.90	4.74	4.70
1971	4.52	4.48	4.75	4.61	4.75	4.80	4.49	4.64	5.00	5.36	5.15	4.70	4.77
1972	4.58	4.76	4.64	4.75	5.01	4.97	4.76	4.85	5.00	5.00	5.26	5.01	4.88
1973	4.99	5.37	5.26	5.34	4.94	4.72	4.81	4.95	5.03	5.19	4.72	4.51	4.99
1974	4.54	5.11	4.52	4.78	5.00	5.07	4.85	5.34	5.20	4.90	4.64	4.67	4.88
1975	4.68	5.10	4.98	4.82	5.02	5.09	5.22	5.14	5.02	5.16	4.79	4.76	4.98
1976	4.43	4.26	4.45	4.53	4.66	4.99	4.80	4.80	4.76	4.65	4.38	4.63	4.61
1977	4.24	4.09	4.85	4.59	4.72	4.99	4.55	4.75	5.01	4.75	5.19	4.77	4.71
1978	4.67	4.78	4.77	4.83	5.14	4.68	4.79	4.75	4.99	4.85	4.94	4.50	4.81
1979	4.50	4.40	4.89	4.73	4.67	4.78	4.71	4.64	5.27	4.87	4.68	4.60	4.73
1980	4.90	4.71	4.71	4.90	4.86	4.76	4.55	4.40	4.62	4.57	4.39	4.25	4.64

RUN DATE 11/16/82

STATION NO. 8665530

CHARLESTON,SC 32 46.9N 79 55.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1921										5.47	5.16	5.01	
1922	4.60	4.88	4.83	4.81	5.08	5.01	4.83	4.96	5.57	5.35	5.11	4.67	4.98
1923	4.72	4.81	4.57	4.91	5.19	4.90	4.78	4.65	5.09	5.42	5.22	4.64	4.91
1924	4.46	4.85	4.77	4.79	4.76	4.82	4.99	5.14	5.61	5.63	5.18	4.77	4.98
1925	5.05	4.94	4.88	5.05	5.06	5.03	5.04	5.40	5.35	5.02	5.19	4.59	5.05
1926	4.37	4.31	4.44	4.67	4.89	5.00	4.89	5.06	5.53	5.25	4.82	4.75	4.83
1927	4.50	4.57	4.88	4.97	4.84	5.06	4.77	5.01	5.11	5.17	4.97	4.94	4.90
1928	4.17	4.54	4.72	4.72	5.12	4.77	4.86	5.09	5.32	5.46	5.13	5.15	4.92
1929	4.46	5.01	4.62	4.86	4.77	5.31	4.95	5.00	5.39	5.18	5.14	4.61	4.94
1930	5.11	4.95	4.60	4.94	4.69	4.89	4.69	4.98	4.87	5.40	4.95	4.79	4.90
1931	4.49	4.91	5.09	4.62	4.58	4.72	4.74	4.56	5.02	5.25	4.86	4.90	4.81
1932	4.70	4.81	4.52	4.66	4.89	4.98	4.66	5.04	5.64	5.27	5.41	5.12	4.98
1933	5.02	4.80	4.78	5.21	4.99	5.16	5.08	5.36	5.38	5.73	5.16	4.78	5.12
1934	4.62	4.69	4.63	4.84	5.03	4.75	4.75	4.72	5.25	5.68	5.08	4.90	4.91
1935	5.13	4.78	4.79	5.10	5.05	5.02	4.83	5.07	5.39	5.49	5.64	4.86	5.10
1936	4.60	4.86	4.65	4.92	5.27	5.38	4.86	5.13	5.54	5.67	5.02	5.24	5.10
1937	5.04	5.18	4.93	5.00	5.24	5.04	4.88	5.18	5.62	5.57	5.15	4.93	5.15
1938	4.82	4.91	4.89	4.69	5.08	5.09	4.96	4.91	5.36	5.80	5.60	5.11	5.10
1939	4.76	4.66	4.92	4.82	5.20	5.07	5.12	5.00	5.68	5.46	5.20	4.73	5.05
1940	4.55	4.59	4.84	4.70	5.04	4.85	4.97	5.62	5.69	5.65	5.18	4.97	5.05
1941	5.09	4.92	4.61	4.92	4.83	5.12	4.83	4.96	5.40	5.38	5.24	4.86	5.01
1942	4.81	5.09	4.58	5.05	5.22	5.23	5.01	5.17	5.49	5.90	5.33	4.88	5.15
1943	4.79	4.65	5.02	5.15	5.32	5.27	5.11	5.39	5.79	5.87	5.30	5.04	5.22
1944	5.09	4.98	5.18	5.24	5.43	5.55	5.53	5.38	5.56	5.78	5.48	4.90	5.34
1945	4.91	4.65	4.79	5.21	5.13	5.15	5.25	5.26	5.64	5.96	5.43	5.36	5.23
1946	5.00	4.79	5.18	5.30	5.29	5.17	5.20	5.20	5.80	6.07	5.85	5.30	5.35
1947	5.12	4.77	4.84	5.00	5.12	5.56	5.26	5.32	5.92	5.95	6.12	5.68	5.39
1948	5.35	5.50	5.56	5.58	5.62	5.58	5.27	5.48	6.15	6.14	5.77	5.38	5.62
1949	5.00	5.20	5.05	5.19	5.56	5.66	5.46	5.43	5.91	6.18	5.32	5.31	5.44
1950	4.87	5.10	5.06	5.23	5.41	5.24	4.83	5.49	5.76	5.81	5.05	5.13	5.25
1951	4.94	4.96	5.21	5.16	5.31	5.41	5.01	5.28	5.59	6.12	5.53	5.18	5.31
1952	5.04	5.22	5.26	5.12	5.37	5.07	5.18	5.32	5.86	5.79	5.32	5.36	5.33
1953	4.87	4.74	5.05	5.11	5.02	5.42	5.28	5.51	5.86	5.91	5.51	5.13	5.28
1954	5.02	5.20	4.89	5.37	5.56	5.62	5.35	5.19	5.49	5.53	5.32	4.83	5.28
1955	5.18	5.04	4.90	5.30	5.59	5.58	5.33	5.69	5.80	5.97	5.28	5.12	5.40
1956	5.22	4.92	4.89	5.05	5.39	5.26	4.80	5.34	5.63	5.95	5.42	4.70	5.21
1957	4.80	5.28	5.49	5.08	5.50	5.40	5.54	5.78	5.75	6.01	5.73	5.22	5.46
1958	5.20	4.59	5.25	5.44	5.27	5.36	5.03	5.21	5.59	6.02	5.39	5.29	5.30
1959	4.97	4.99	5.00	5.06	5.23	5.50	5.38	5.21	5.79	5.85	5.74	5.34	5.34
1960	5.39	5.15	5.15	5.15	5.44	5.61	5.58	5.56	6.08	6.00	5.38	5.15	5.47
1961	4.95	4.93	5.27	5.07	5.45	5.14	5.14	5.37	5.79	5.82	5.79	5.18	5.32
1962	4.76	5.38	5.72	5.02	5.63	5.68	5.57	5.63	5.91	5.90	5.58	5.31	5.51
1963	5.30	5.10	4.74	5.02	5.35	5.22	5.08	5.29	6.01	5.88	5.32	4.58	5.24
1964	4.73	4.68	4.86	4.97	5.48	5.37	4.99	5.40	6.01	5.92	5.50	5.13	5.25
1965	4.99	5.06	4.99	5.31	5.03	5.09	5.20	5.11	5.84	5.73	5.63	5.27	5.27
1966	5.30	5.00	5.20	5.11	5.53	5.59	5.32	5.26	5.61	5.58	5.35	5.36	5.35

RUN DATE 11/16/82

STATION NO. 8665530

CHARLESTON,SC 32 46.9N 79 55.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1967	5.09	4.94	4.96	5.28	5.41	5.77	5.02	5.38	6.04	5.65	5.47	5.41	5.37
1968	5.31	5.42	4.78	5.22	5.21	5.37	5.21	5.48	5.84	5.85	5.26	4.98	5.33
1969	4.97	5.42	5.13	5.12	5.30	5.49	5.29	5.59	5.99	6.06	5.62	5.25	5.44
1970	5.05	4.89	5.16	5.37	5.40	5.59	5.30	5.37	5.75	6.30	5.68	5.63	5.46
1971	5.15	4.94	5.04	5.18	5.33	5.42	5.24	5.60	5.98	6.24	6.02	5.64	5.48
1972	5.40	5.27	5.34	5.46	5.94	5.74	5.23	5.66	5.84	6.03	6.06	5.53	5.62
1973	5.71	5.74	5.78	5.53	5.58	5.45	5.56	5.65	6.07	6.28	5.70	5.25	5.69
1974	5.25	5.50	5.22	5.30	5.70	5.78	5.63	5.76	5.98	5.99	5.59	5.31	5.58
1975	5.10	5.61	5.34	5.49	5.88	5.93	5.63	5.57	5.95	6.06	5.66	5.55	5.65
1976	4.93	4.72	5.19	5.37	5.57	5.78	5.42	5.64	5.72	5.69	5.36	5.31	5.39
1977	4.86	4.82	5.36	5.17	5.63	5.70	5.31	5.57	5.75	5.60	5.89	5.42	5.42
1978	4.86	5.43	5.34	5.41	5.42	5.47	5.42	5.45	6.01	5.96	5.96	5.22	5.50
1979	4.81	5.11	5.16	5.35	5.37	5.68	5.59	5.48	5.96	5.72	5.50	5.44	5.43
1980	5.64	5.48	5.29	5.43	5.67	5.61	5.34	5.24	5.65	5.63	5.47	5.36	5.48
1981	5.09	5.05	5.17	5.16	5.55	5.14	5.49	5.63	5.75	5.61	5.82	5.19	5.39

RUN DATE 11/16/82

STATION NO. 8670870
FORT PULASKI(SAVANNAH), GA 32 02.0N 80 54.1W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1935	6.83	6.48	6.38	6.79	6.75	6.64	6.38	6.64	7.00	7.21	7.23	6.38	6.73
1936	6.27	6.51	6.18	6.69	7.03	7.14	6.42	6.77	7.14	7.32	6.65	6.90	6.75
1937	6.74	6.79	6.53	6.58	6.97	6.65	6.44	6.83	7.28	7.25	6.72	6.71	6.79
1938	6.47	6.57	6.55	6.51	6.74	6.66	6.57	6.76	6.99	7.34	7.18	6.60	6.74
1939	6.23	6.19	6.46	6.36	6.85	6.60	6.60	6.58	7.42	7.18	6.90	6.24	6.63
1940	6.08	6.09	6.42	6.30	6.67	6.48	6.61	7.27	7.44	7.26	6.84	6.62	6.67
1941	6.77	6.56	6.28	6.58	6.49	6.74	6.44	6.57	7.15	7.09	6.91	6.50	6.67
1942	6.42	6.68	6.20	6.67	6.78	6.71	6.54	6.82	7.14	7.48	6.91	6.43	6.73
1943	6.36	6.14	6.54	6.71	6.96	6.87	6.64	6.95	7.49	7.49	6.84	6.54	6.79
1944	6.72	6.50	6.74	6.83	7.11	7.11	7.09	6.90	7.16	7.36	7.08	6.44	6.92
1945	6.45	6.25	6.38	6.84	6.68	6.75	6.73	6.94	7.15	7.60	7.05	6.94	6.81
1946	6.68	6.31	6.82	6.88	6.93	6.71	6.72	6.70	7.49	7.76	7.56	6.94	6.96
1947	6.76	6.34	6.48	6.73	6.79	7.24	6.88	6.94	7.67	7.74	7.82	7.36	7.06
1948	6.90	7.11	7.20	7.29	7.16	7.10	6.82	7.01	7.84	7.77	7.30	7.01	7.21
1949	6.54	6.79	6.62	6.75	7.11	7.23	7.00	6.95	7.52	7.79	6.83	6.97	7.01
1950	6.48	6.71	6.64	6.77	6.99	6.82	6.33	7.08	7.43	7.52	6.61	6.73	6.84
1951	6.45	6.50	6.77	6.73	6.88	6.97	6.58	6.85	7.21	7.82	7.17	6.81	6.90
1952	6.61	6.78	6.79	6.69	6.91	6.59	6.76	6.86	7.48	7.46	6.87	6.87	6.89
1953	6.37	6.30	6.55	6.63	6.60	7.04	6.90	7.10	7.58	7.65	7.16	6.72	6.88
1954	6.57	6.73	6.44	6.98	7.16	7.26	6.93	6.82	7.20	7.17	6.95	6.42	6.89
1955	6.67	6.59	6.43	6.88	7.18	7.14	6.90	7.31	7.46	7.51	6.79	6.70	6.96
1956	6.77	6.46	6.39	6.58	6.99	6.85	6.33	6.90	7.26	7.65	7.03	6.23	6.79
1957	6.35	6.81	6.98	6.65	7.11	6.97	7.13	7.33	7.39	7.82	7.30	6.70	7.04
1958	6.75	5.96	6.81	6.98	6.80	6.92	6.59	6.77	7.26	7.69	7.02	6.88	6.87
1959	6.59	6.62	6.50	6.58	6.77	7.10	6.88	6.81	7.39	7.53	7.40	7.00	6.93
1960	6.98	6.72	6.79	6.81	7.00	7.18	7.13	7.14	7.73	7.55	6.99	6.72	7.06
1961	6.62	6.52	6.86	6.58	6.97	6.72	6.66	6.89	7.30	7.41	7.30	6.80	6.89
1962	6.28	6.75	7.19	6.52	7.15	7.26	7.07	7.16	7.49	7.47	7.16	6.85	7.03
1963	6.82	6.64	6.22	6.66	7.01	6.77	6.69	6.86	7.76	7.61	6.95	6.61	6.88
1964	6.31	6.24	6.53	6.70	7.19	6.97	6.57	7.03	7.80	7.59	7.17	6.79	6.91
1965	6.63	6.71	6.61	6.99	6.72	6.83	6.80	6.73	7.60	7.45	7.30	6.96	6.94
1966	6.95	6.63	6.77	6.81	7.28	7.34	6.99	6.93	7.25	7.34	7.09	7.00	7.03
1967	6.72	6.56	6.63	7.00	7.10	7.52	6.59	7.00	7.72	7.34	7.09	7.00	7.02
1968	6.94	6.94	6.33	6.86	6.79	7.02	6.82	7.10	7.56	7.54	6.85	6.56	6.94
1969	6.62	7.02	6.68	6.72	7.02	7.13	6.91	7.25	7.74	7.85	7.25	6.77	7.08
1970	6.58	6.43	6.73	6.95	7.01	7.20	6.85	6.99	7.29	7.83	7.10	7.09	7.00
1971	6.59	6.34	6.60	6.78	6.92	7.01	6.81	7.18	7.61	7.87	7.68	7.30	7.06
1972	7.02	6.88	6.97	7.10	7.60	7.29	6.85	7.28	7.54	7.71	7.59	6.97	7.23
1973	7.09	7.28	7.19	7.14	7.09	7.10	7.24	7.39	7.78	8.05	7.71	7.02	7.34
1974	6.75	7.06	6.88	6.81	7.14	7.22	7.21	7.27	7.57	7.59	7.12	6.84	7.12
1975	6.86	7.30	6.97	7.14	7.40	7.46	6.96	7.21	7.35	7.17	7.34	7.16	7.19
1976	6.55	6.38	6.80	7.06	7.22	7.36	6.93	7.25	7.22	7.21	6.73	6.94	6.97
1977	6.73			6.86	7.37	7.33					7.50		7.02
1978	6.37	7.00	6.89	6.97	7.03	7.13	7.10	7.06	7.70	7.73	7.73	6.87	7.13
1979	6.22	6.74	6.62	6.93	6.99	7.40	7.29	7.15	7.61	7.36	7.18	7.07	7.05
1980	7.20	7.08	6.91	7.09	7.32	7.25	6.96	6.91	7.38	7.29	7.18	7.01	7.13

RUN DATE 11/16/82

STATION NO. 8670870
FORT PULASKI(SAVANNAH), GA 32 02.0N 80 54.1W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1981	6.72	6.76	6.78	6.84	7.21	6.77	7.11	7.25	7.43	7.36	7.50	6.77	7.04

RUN DATE 11/16/82

STATION NO. 8720030

FERNANDINA BEACH,FL 30 40.3N 81 28.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1897						4.45	4.03	4.20	5.03	5.52	4.53	4.35	4.59
1898	3.94	4.25	4.44	4.23	4.29	4.14	4.10	4.17	4.98	5.31	4.78	3.93	4.38
1899	4.40	4.06	3.77	4.39	4.81	4.30	4.35	4.57	4.91	5.38	4.88	4.50	4.53
1900	4.12	3.85	4.03	4.34	4.42	4.32	3.95	4.21	4.49	5.14	4.45	4.46	4.32
1901	4.41	4.04	3.68	4.23	4.28	4.24	4.03	4.12	5.29	5.43	4.90	4.22	4.41
1902	4.04	3.90	4.15	4.14	4.41	4.39	4.11	4.28	4.88	5.06	5.15	4.49	4.42
1903	4.13	4.07	4.57	4.58	5.21	4.83	4.37	4.27	4.95	5.20	4.98	4.13	4.61
1904	4.12	4.39	4.31	4.34	4.70	4.66	4.13	4.05	4.91	5.53	4.80	4.23	4.51
1905	3.79	4.18	4.43	4.11	4.32	4.49	4.08	4.86	4.90	5.17	4.81	4.49	4.47
1906	4.30	4.65	4.26	4.17	4.70	4.64	4.41	4.21	4.90	5.29	4.69	4.35	4.55
1907	4.15	4.25	4.21	4.66	4.39	4.38	4.02	4.06	4.15	4.84	4.43	3.95	4.29
1908	3.64	3.73	3.94	4.35	4.18	4.78	4.68	4.55	5.40	5.72	4.70	4.16	4.49
1909	4.48	3.58	3.87	4.11	4.49	4.30	4.43	4.76	5.36	4.99	4.85	4.22	4.45
1910	3.87	3.90	4.31	4.07	3.99	4.11	3.87	4.31	4.83	4.90	4.72	4.06	4.24
1911	3.83	4.12	4.14	4.42	4.53	4.33	3.82	4.24	4.55	4.72	4.74	4.43	4.32
1912	4.31	4.04	4.23	3.99	4.15	4.66	4.52	3.87	4.65	5.26	4.69	4.13	4.38
1913	4.05	4.54	4.24	4.51	4.48	4.41	4.05	4.47	4.86	4.45	4.24	4.11	4.37
1914	4.13	4.19	3.88	4.19	4.37	4.61	4.39	4.26	5.03	4.82	4.51	4.83	4.43
1915	4.25	4.51	4.45	4.38	4.31	4.64	4.25	4.14	4.86	4.95	4.43	4.02	4.43
1916	4.01	4.02	3.83	4.15	4.37	4.12	3.97	4.16	4.90	5.28	4.50	3.82	4.26
1917	3.76	3.53	3.91	4.14	4.10	4.13	3.82	4.23	4.99	4.73	4.52	4.39	4.19
1918	3.71	3.71	3.94	4.28	4.05	4.37	4.22	4.28	4.87	4.94	4.79	4.47	4.30
1919	4.28	4.35	4.60	4.71	4.39	4.87	4.54	4.20	4.85	4.87	5.02	4.55	4.60
1920	4.02	4.39	3.67	4.00	4.73	4.43	4.07	4.26	4.84	5.05	4.66	4.24	4.36
1921	4.34	4.40	4.40	4.44	4.75	4.84	4.29	4.46	4.73	5.14	4.48	4.39	4.56
1922	4.10	4.19	4.18	4.13	4.43	4.36	4.04	4.23	5.12	5.05	4.63	4.11	4.38
1923	4.05	4.20	4.05	4.42	4.61	4.26	4.33	3.82	4.53	5.04	4.75	4.08	4.34
1924	3.94	4.20	4.13	3.99	4.01	4.11							
1938											5.19	4.53	
1939	4.09	4.01	4.27	4.15	4.62	4.39	4.46	4.38	5.21	5.17	4.92	4.20	4.49
1940	3.98	3.98	4.24	4.10	4.37	4.17	4.36	4.93	5.34	5.19	4.72	4.51	4.49
1941	4.59	4.37	4.06	4.44	4.25	4.38	4.09	4.25	5.01	4.93	4.82	4.39	4.46
1942	4.30	4.49	3.93	4.50	4.55	4.48	4.23	4.48	4.90	5.34	4.77	4.20	4.51
1943	4.10	3.94	4.44	4.46	4.58	4.43	4.24	4.63	5.24	5.39	4.75	4.43	4.55
1944	4.55	4.31	4.51	4.68	4.86	4.90	4.92	4.73	5.08	5.36	5.08	4.39	4.78
1945	4.34	4.16	4.17	4.63	4.42	4.45	4.46	4.65	4.93	5.55	4.98	4.77	4.63
1946	4.42	4.15	4.52	4.64	4.56	4.43	4.41	4.43	5.34	5.68	5.41	4.84	4.74
1947	4.48	4.11	4.23	4.40	4.44	4.85	4.47	4.54	5.41	5.62	5.62	5.25	4.78
1948	4.80	4.87	4.86	5.07	4.86	4.81	4.48	4.82	5.69	5.71	5.07	4.72	4.98
1949	4.31	4.62	4.45	4.44	4.85	4.92	4.70	4.56	5.32	5.66	4.65	4.82	4.78
1950	4.29	4.50	4.36	4.50	4.63	4.40	3.99	4.81	5.32	5.52	4.48	4.47	4.61
1951	4.27	4.34	4.50	4.40	4.61	4.61	4.25	4.55	4.94	5.77	5.01	4.64	4.66
1952	4.40	4.54	4.52	4.39	4.66	4.29	4.54	4.58	5.44	5.46	4.71	4.66	4.68
1953	4.06	4.04	4.25	4.32	4.24	4.69	4.61	4.84	5.45	5.65	5.09	4.59	4.65
1954	4.45	4.49	4.23	4.75	4.89	4.96	4.60	4.52	4.98	5.13	4.78	4.21	4.67
1955	4.49	4.45	4.18	4.49	4.86	4.78	4.56	5.04	5.24	5.36	4.61	4.63	4.72

RUN DATE 11/16/82

STATION NO. 8720030

FERNANDINA BEACH,FL 30 40.3N 81 28.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1956	4.59	4.20	4.21	4.29	4.67	4.52	3.97	4.57	5.05	5.64	5.06	4.17	4.58
1957	4.15	4.60	4.67	4.40	4.81	4.70	4.81	5.22	5.13	5.75	5.19	4.50	4.83
1958	4.61	3.74	4.60	4.81	4.50	4.61	4.29	4.49	5.08	5.66	4.82	4.72	4.66
1959	4.44	4.39	4.36	4.43	4.52	4.86	4.66	4.49	5.19	5.23	5.30	4.85	4.73
1960	4.75	4.46	4.67	4.60	4.78	4.96	4.78	4.90	5.60	5.42	4.90	4.70	4.88
1961	4.42	4.32	4.54	4.29	4.69	4.35	4.26	4.61	5.23	5.33	5.09	4.41	4.63
1962	4.03	4.57	4.95	4.35	4.87	4.92	4.74	4.89	5.30	5.34	5.06	4.64	4.80
1963	4.58	4.53	4.06	4.39	4.73	4.43	4.31	4.48	5.66	5.56	4.74	4.39	4.66
1964	4.08	4.01	4.25	4.28	4.91	4.71	4.15	4.61	5.58	5.41	4.96	4.57	4.63
1965	4.43	4.48	4.35	4.77	4.26	4.40	4.39	4.28	5.37	5.21	5.04	4.72	4.64
1966	4.69	4.35	4.54	4.42	4.89	5.02	4.70	4.58	4.99	5.09	4.89	4.69	4.74
1967	4.48	4.38	4.38	4.73	4.73	5.28	4.25	4.64	5.60	5.14	4.87	4.66	4.76
1968	4.70	4.70	4.11	4.55	4.48	4.68	4.42	4.78	5.41	5.35	4.62	4.35	4.68
1969	4.45	4.74	4.44	4.43	4.72	4.80	4.49	4.90	5.60	5.79	5.06	4.48	4.82
1970	4.38	4.17	4.40	4.68	4.64	4.81	4.46	4.61	5.02	5.62	4.87	4.80	4.70
1971	4.36	4.05	4.28	4.46	4.59	4.61	4.46	4.83	5.37	5.63	5.53	5.10	4.77
1972	4.78	4.71	4.50	4.70	5.34	5.18	4.69	4.91	5.32	5.62	5.42	4.76	4.99
1973	4.95	5.10	4.99	4.81	4.65	4.62	4.76	4.93	5.41	5.86	5.19	4.57	4.99
1974	4.55	4.64	4.51	4.53	4.85	5.06	4.92	5.06	5.51	5.65	5.06	4.59	4.91
1975	4.41	4.88	4.62	4.84	5.15	5.18	4.82	4.83	5.27	5.53	5.04	4.86	4.95
1976	4.27	4.00	4.45	4.71	4.70	5.00	4.54	4.97	5.13	5.19	4.78	4.69	4.70
1977	4.24	4.19	4.65	4.44	4.96	4.89	4.50	4.84	5.08	5.03	5.22	4.70	4.73
1978	4.14	4.62	4.62	4.61	4.66	4.72	4.59	4.66	5.39	5.59	5.48	4.55	4.80
1979	4.04	4.40	4.29	4.50	4.57	5.01	4.78	4.70	5.20	5.07	4.89	4.87	4.69
1980	4.91	4.80	4.54	4.66	4.90	4.80	4.49	4.48	5.02	4.98	4.88	4.80	4.77

RUN DATE 11/16/82

STATION NO. 8720220

MAYPORT,FL 30 23.6N 81 25.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1928					3.57	3.26	3.40	3.66	4.10	4.34	4.06	4.00	
1929	3.21	3.75	3.23	3.40	3.33	3.89	3.59	3.53	4.21	4.04	3.87	3.35	3.62
1930	3.84	3.72	3.39	3.56	3.40	3.69	3.35	3.72	3.60	4.26	3.77	3.51	3.65
1931	3.25	3.57	3.68	3.45	3.29	3.23	3.23	3.11	3.67	4.07	3.66	3.64	3.49
1932	3.32	3.39	3.11	3.22	3.51	3.59	3.16	3.65	4.35	3.97	4.17	3.88	3.61
1933	3.69	3.53	3.40	3.84	3.54	3.72	3.65	3.99	4.04	4.68	4.06	3.55	3.81
1934	3.41	3.41	3.35	3.48	3.75	3.48	3.45	3.35	3.98	4.48	3.92	3.57	3.64
1935	3.88	3.52	3.38	3.66	3.59	3.54	3.36	3.62	4.08	4.53	4.60	3.74	3.79
1936	3.37	3.66	3.35	3.55	4.09	4.08	3.36	3.72	4.12	4.40	3.90	3.97	3.80
1937	3.67	3.69	3.62	3.59	3.88	3.61	3.38	3.78	4.36	4.56	3.98	3.82	3.83
1938	3.53	3.60	3.47	3.31	3.55	3.62	3.57	3.88	4.16	4.60	4.40	3.78	3.79
1939	3.38	3.21	3.49	3.39	3.81	3.59	3.70	3.62	4.43	4.41	4.19	3.48	3.72
1940	3.32	3.18	3.38	3.30	3.60	3.49	3.56	4.13	4.53	4.41	3.91	3.77	3.72
1941	3.93	3.75	3.42	3.66	3.52	3.62	3.45	3.54	4.28	4.24	4.19	3.77	3.78
1942	3.59	3.78	3.26	3.76	3.77	3.73	3.57	3.72	4.12	4.56	4.03	3.46	3.78
1943	3.33	3.20	3.61	3.64	3.82	3.67	3.52	3.96	4.58	4.70	3.98	3.63	3.80
1944	3.68	3.38	3.60	3.76	3.94	4.02	4.05	3.91	4.20	4.53	4.28	3.58	3.91
1945	3.51	3.28	3.32	3.71	3.55	3.59	3.72	3.93	4.22	4.76	4.24	4.05	3.82
1946	3.68	3.40	3.77	3.83	3.74	3.66	3.63	3.72	4.60	4.91	4.64	4.10	3.97
1947	3.71	3.43	3.51	3.63	3.65	4.01	3.75	3.80	4.64	4.90	4.91	4.48	4.04
1948	4.02	4.16	4.16	4.21	4.07	4.02	3.72	4.08	4.92	4.98	4.41	3.94	4.22
1949	3.53	3.80	3.68	3.68	4.07	4.15	3.93	3.80	4.56	4.98	4.02	4.03	4.02
1950	3.56	3.70	3.57	3.72	3.84	3.63	3.23	3.96	4.47	4.78	3.87	3.74	3.84
1951	3.56	3.60	3.77	3.59	3.80	3.77	3.46	3.73	4.14	5.03	4.32	3.88	3.89
1952	3.65	3.75	3.76	3.60	3.77	3.49	3.68	3.74	4.58	4.69	3.95	3.94	3.88
1953	3.34	3.23	3.47	3.59	3.42	3.85	3.78	4.00	4.76	4.96	4.38	3.84	3.88
1954	3.68	3.70	3.43	3.84	4.06	4.10	3.78	3.72	4.13	4.32	3.98	3.45	3.85
1955	3.67	3.65	3.40	3.66	4.04	3.92	3.74	4.23	4.44	4.57	3.86	3.83	3.92
1956	3.83	3.44	3.35	3.48	3.78	3.68	3.18	3.71	4.22	4.82	4.23	3.30	3.75
1957	3.29	3.76	3.89	3.59	3.94	3.85	3.96	4.40	4.28	4.95	4.42	3.72	4.00
1958	3.84	3.02	3.82	3.93	3.69	3.78	3.49	3.71	4.19	4.86	4.07	3.99	3.87
1959	3.68	3.60	3.67	3.68	3.80	4.03	3.90	3.78	4.36	4.50	4.54	4.07	3.97
1960	4.01	3.75	3.94	3.82	4.04	4.18	4.11	4.21	4.92	4.79	4.27	3.96	4.17
1961	3.64	3.59	3.69	3.62	3.81	3.66	3.58	3.90	4.45	4.65	4.42	3.84	3.90
1962	3.39	3.82	4.20	3.59	3.97	4.00	3.90	4.12	4.46	4.58	4.28	3.88	4.02
1963	3.82	3.80	3.29	3.60	3.87	3.65	3.53	3.73	4.87	4.87	4.08	3.70	3.90
1964	3.50	3.34	3.50	3.52	4.23	3.99	3.48	3.76	4.85	4.76	4.32	3.85	3.92
1965	3.63	3.67	3.48	3.85	3.46	3.61	3.64	3.64	4.53	4.43	4.34	3.96	3.85
1966	4.00	3.64	3.79	3.68	4.12	4.20	4.02	3.93	4.28	4.44	4.22	4.09	4.03
1967	3.69	3.61	3.52	3.88	3.91	4.51	3.59	4.00	4.91	4.38	4.13	3.90	4.00
1968	3.92	3.93	3.31	3.74	3.67	3.93	3.70	4.07	4.75	4.66	3.94	3.63	3.94
1969	3.69	3.98	3.75	3.66	3.89	3.98	3.69	4.08	4.82	5.15	4.47	3.93	4.09
1970	3.83	3.62	3.72	3.94	3.82	3.98	3.70	3.86	4.20	4.78	4.17	4.08	3.98
1971	3.61	3.31	3.62	3.70	3.75	3.79	3.67	4.02	4.52	4.81	4.74	4.35	3.99
1972	4.05	3.96	3.76	4.00	4.47	4.23	3.86	4.12	4.55	4.77	4.62	4.03	4.20
1973	4.20	4.41	4.17	4.05	3.92	3.84	3.92	4.10	4.65	5.13	4.40	3.83	4.22

RUN DATE 11/16/82

STATION NO. 8720220

MAYPORT,FL 30 23.6N 81 25.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1974	3.69	3.83	3.69	3.69	3.96	4.21	4.17	4.30	4.73	4.91	4.32	3.91	4.12
1975	3.64	3.98	3.85	3.99	4.31	4.32	4.12	4.10	4.55	4.85	4.38	4.08	4.18
1976	3.54	3.21	3.63	3.94	3.99	4.34	3.84	4.16	4.28	4.48	4.05	4.03	3.96
1977	3.48	3.40	3.65	3.48	4.11	4.10	3.71	4.07	4.20	4.35	4.46	3.96	3.91
1978	3.34	3.95	3.88	3.73	3.79	3.87	3.87	3.89	4.56	4.78	4.68	3.82	4.01
1979	3.33	3.68	3.51	3.68	3.76	4.18	3.98	3.90	4.47	4.31	4.12	4.01	3.91
1980	4.08	3.97	3.72	3.81	4.02	3.91	3.65	3.61	4.16	4.10	4.02	3.93	3.92

RUN DATE 11/16/82

STATION NO. 8723170

MIAMI BEACH,FL 25 46.1N 80 07.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1931						3.15	3.09	3.14	3.46	3.54	3.40	3.22	
1932	3.15	3.13	3.11	3.19	3.24	3.21	3.25	3.33	3.78	3.50	3.74	3.64	3.36
1933	3.27	3.21	3.12	3.37	3.42	3.49	3.28	3.47	3.62	4.20	3.92	3.20	3.46
1934	3.22	3.08	3.05	3.24	3.24	3.31	3.19	3.27	3.58	3.91	3.63	3.36	3.34
1935	3.49	3.31	3.20	3.45	3.22	3.31	3.23	3.31	3.44	3.98	4.00	3.48	3.45
1936	3.27	3.36	3.14	3.12	3.72	3.69	3.28	3.44	3.80	3.92	3.68	3.67	3.51
1937	3.28	3.60	3.33	3.30	3.59	3.27	3.42	3.54	3.77	4.05	3.71	3.38	3.52
1938	3.30	3.28	3.15	3.22	3.35	3.30	3.18	3.39	3.60	3.98	4.04	3.54	3.44
1939	3.25	3.19	3.16	3.26	3.47	3.36	3.30	3.48	3.95	4.10	3.96	3.31	3.48
1940	3.30	3.26	3.24	3.07	3.42	3.24	3.32	3.67	3.96	4.15	3.58	3.49	3.48
1941	3.61	3.60	3.16	3.46	3.52	3.38	3.23	3.31	3.87	3.67	3.74	3.36	3.49
1942	3.27	3.42	3.13	3.55	3.43	3.42	3.44	3.37	3.79	4.40	3.98	3.34	3.54
1943	3.17	3.17	3.42	3.50	3.55	3.53	3.28	3.54	4.00	4.38	3.74	3.50	3.56
1944	3.43	3.21	3.31	3.45	3.57	3.59	3.62	3.55	3.72	4.09	3.94	3.34	3.57
1945	3.24	2.93	3.09	3.36	3.41	3.31	3.37	3.67	3.72	4.09	3.91	3.61	3.48
1946	3.22	3.28	3.38	3.61	3.34	3.28	3.27	3.63	4.10	4.30	4.12	3.98	3.63
1947	3.36	3.52	3.36	3.26	3.69	3.85	3.51	3.63	3.93	4.32	4.40	4.13	3.75
1948	3.73	3.65	3.65	3.85	3.89	3.79	3.76	3.74	4.22	4.50	3.94	3.66	3.86
1949	3.20	3.23	3.41	3.39	3.59	3.60	3.61	3.52	3.93	4.39	3.81	3.48	3.60
1950	3.36	3.42	3.35	3.56	3.49	3.31	3.31	3.83	3.90	4.17	3.61	3.48	3.57
1951	3.37	3.40	3.43	3.51	3.57	3.45	3.39	3.61	3.77	4.37	4.02	3.64	3.63
1952													3.64
1953													3.63
1954													3.60
1955	3.39	3.37	3.12	3.38	3.68	3.57	3.57	3.91	3.91	4.11	3.61	3.46	3.59
1956	3.60	3.23	3.26	3.37	3.50	3.48	3.41	3.52	3.95	4.31	4.14	3.05	3.57
1957	3.13	3.54	3.66	3.39	3.61	3.68	3.61	3.68	3.86	4.43	4.08	3.59	3.69
1958	3.62	3.08	3.32	3.36	3.36	3.51	3.27	3.49	3.89	4.39	3.80	3.70	3.57
1959	3.47	3.31	3.37	3.40	3.52	3.71	3.48	3.48	3.78	4.06	4.18	3.79	3.63
1960	3.71	3.49	3.42	3.53	3.72	3.83	3.73	3.69	4.13	4.20	3.90	3.74	3.76
1961	3.50	3.48	3.72	3.60	3.50	3.55	3.35	3.60	3.74	4.28	3.99	3.56	3.66
1962	3.38	3.52	3.98	3.37	3.78	3.72	3.67	3.71	4.00	4.18	3.89	3.81	3.75
1963	3.60	3.42	3.26	3.38	3.64	3.35	3.65	3.51	4.08	4.46	4.05	3.48	3.66
1964	3.22	3.14	3.20	3.40	3.91	3.70	3.53	3.66	4.15	4.13	4.02	3.71	3.65
1965	3.62	3.54	3.39	3.54	3.43	3.54	3.53	3.60	4.10	3.92	4.18	3.74	3.68
1966	3.84	3.54	3.52	3.60	3.65	3.58	3.53	3.60	3.84	4.01	4.06	3.68	3.70
1967	3.46	3.41	3.44	3.67	3.57	3.84	3.52	3.82	4.03	4.12	4.08	3.74	3.72
1968	3.80	3.72	3.49	3.50	3.50	3.39	3.57	3.82	4.00	4.13	3.74	3.63	3.69
1969	3.78	3.80	3.72	3.45	3.51	3.71	3.85	3.92	4.06	4.49	4.09	3.56	3.83
1970	3.46	3.36	3.32	3.48	3.71	3.68	3.49	3.87	3.98	4.35	4.13	3.88	3.73
1971	3.55	3.43	3.51	3.38	3.41	3.48	3.59	3.58	3.84	4.39	4.52	4.00	3.72
1972	3.77	3.71	3.68	3.55	3.93	3.74	3.62	3.66	4.11	4.16	3.95	3.77	3.80
1973	3.86	3.95	3.94	3.88	3.66	3.54	3.79	3.86	4.04	4.67	4.09	3.64	3.91
1974	3.36	3.52	3.42	3.34	3.64	3.84	3.72	3.80	4.16	4.46	3.95	3.56	3.73
1975	3.44	3.68	3.70	3.71	3.92	3.88	4.03	3.98	4.11	4.22	4.06	3.97	3.89
1976	3.37	3.27	3.37	3.61	3.60	3.86	3.56	3.77	3.86	4.08	3.97	3.89	3.68

RUN DATE 11/16/82

STATION NO. 8723170

MIAMI BEACH,FL 25 46.1N 80 07.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1977	3.50	3.29	3.46	3.44	3.75	3.72	3.66	3.75	4.00	3.94	4.07	3.76	3.70
1978	3.28	3.61	3.54	3.41	3.54	3.70	3.62	3.73	3.75	4.10	4.34	3.59	3.68
1979	3.58	3.35	3.51	3.36	3.56	3.87						3.88	
1980	3.78	3.87	3.47	3.70	3.85	3.81	3.56	3.62	3.99	4.01	4.08	3.85	3.80

RUN DATE 11/16/82

STATION NO. 8724580

KEY WEST,FL 24 33.2N 81 48.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1913	4.66	4.83	4.68	4.87	4.89	5.00	4.89	5.17	5.19	5.20	4.99	4.85	4.94
1914	4.71	4.57	4.47	4.67	5.10	4.96	4.77	5.18	5.32	5.06	5.01	5.00	4.90
1915	4.87	4.82	4.79	4.75	4.70	4.82	4.84	4.95	5.19	5.19	5.08	4.75	4.90
1916	4.68	4.77	4.55	4.71	4.95	4.74	4.97	5.02	5.23	5.51	5.28	4.88	4.94
1917	4.57	4.64	5.10	5.05	4.93	4.84	4.75	4.77	5.32	5.53	5.46	5.10	5.00
1918	4.75	4.49	4.73	4.98	4.93	4.86	4.88	4.99	5.13	5.06	5.12	5.00	4.91
1919	4.68	4.55	4.75	4.67	4.76	4.91	4.94	4.98	5.28	5.34	5.21	4.89	4.91
1920	4.53	4.72	4.26	4.62	4.76	4.92	4.90	4.92	5.16	5.21	5.07	4.87	4.83
1921	4.73	4.68	4.73	4.91	4.95	5.12	4.92	4.98	5.31	5.44	5.00	4.87	4.97
1922	4.65	4.81	4.81	4.77	4.88	4.93	4.99	5.06	5.28	5.28	5.02	4.68	4.93
1923	4.68	4.63	4.80	4.88	5.04	4.89	4.78	4.78	5.07	5.15	4.97	4.61	4.86
1924	4.66	4.72	4.74	4.49	4.64	4.81	4.99	5.14	5.26	5.33	5.14	4.49	4.87
1925	4.61	4.76	4.68	4.50	4.88	4.81	4.83	5.08	5.19	5.14	5.27	4.94	4.89
1926	4.56	4.34	4.40	4.65	4.72	4.79	4.81	5.13	5.31	5.38	5.07	4.79	4.83
1927	4.77	4.80	4.81	4.84	4.82	4.89	4.78	5.06	5.06	5.28	5.27	5.00	4.95
1928	4.63	4.34	4.57	4.57	4.82	4.90	4.94	5.10	5.22	5.28	5.18	5.02	4.88
1929	4.62	4.86	4.71	4.91	4.86	4.92	5.10	5.07	5.20	5.03	4.99	4.92	4.93
1930	4.96	4.92	4.81	4.87	4.90	4.86	4.90	5.15	5.08	5.29	5.00	4.78	4.96
1931	4.50	4.63	4.82	4.81	4.53	4.72	4.80	4.81	5.13	5.11	5.09	4.90	4.82
1932	4.84	4.69	4.67	4.77	4.86	4.87	4.92	5.09	5.26	5.20	5.26	5.21	4.97
1933	4.88	4.77	4.65	4.95	5.04	5.14	5.04	5.24	5.36	5.68	5.35	4.82	5.08
1934	4.81	4.56	4.66	4.80	4.75	4.86	4.87	4.93	5.30	5.42	5.19	5.03	4.93
1935	5.01	4.73	4.83	4.99	4.84	4.89	4.99	5.14	5.10	5.55	5.34	4.93	5.03
1936	4.84	4.90	4.72	4.75	5.20	5.22	5.08	5.11	5.38	5.57	5.30	5.23	5.11
1937	5.04	5.19	4.82	4.97	5.21	4.95	5.17	5.36	5.44	5.57	5.29	5.00	5.17
1938	4.84	4.82	4.75	4.91	4.99	4.98	4.90	5.19	5.19	5.40	5.41	5.02	5.03
1939	4.86	4.82	4.85	4.89	5.00	4.97	4.98	5.15	5.32	5.63	5.38	4.95	5.07
1940	4.69	4.63	4.68	4.65	4.89	4.87	4.94	5.25	5.42	5.52	5.08	5.00	4.97
1941	5.01	4.97	4.67	4.90	5.01	4.86	4.83	4.99	5.41	5.23	5.23	5.02	5.01
1942	4.88	4.91	4.78	5.03	5.02	5.15	5.23	5.19	5.44	5.72	5.57	5.00	5.16
1943	4.81	4.80	5.05	5.12	5.11	5.13	4.92	5.20	5.63	5.72	5.25	5.02	5.15
1944	4.84	4.76	4.94	5.01	5.08	5.16	5.14	5.22	5.47	5.70	5.45	4.91	5.14
1945	4.86	4.56	4.74	5.04	5.10	5.14	5.12	5.28	5.38	5.44	5.15	4.95	5.06
1946	4.79	4.83	4.89	5.07	4.96	4.97	5.10	5.35	5.59	5.71	5.64	5.59	5.21
1947	5.13	5.08	4.97	4.95	5.28	5.41	5.15	5.17	5.42	5.73	5.85	5.54	5.31
1948	5.16	5.15	5.29	5.28	5.38	5.33	5.43	5.39	5.66	5.86	5.51	5.24	5.39
1949	4.93	4.85	4.91	4.96	5.12	5.08	5.30	5.28	5.50	5.84	5.28	5.05	5.18
1950	5.09	5.03	4.95	5.18	5.03	4.92	5.02	5.39	5.51	5.59	5.20	4.99	5.16
1951	4.87	4.85	4.90	5.05	5.00	5.02	5.09	5.22	5.36	5.69	5.38	5.09	5.13
1952	4.95	4.96	5.06	4.95	5.21	5.05	5.17	5.27	5.55	5.57	5.29	5.28	5.19
1953									5.52	5.63	5.41	5.08	5.20
1954	4.93	4.94	4.90	5.12	5.32	5.20	5.10	5.10	5.53	5.46	5.36	4.92	5.16
1955	5.05	5.03	4.79	4.87	5.20	5.22	5.28	5.36	5.59	5.62	5.16	4.87	5.17
1956	5.00	4.88	4.89	4.97	5.09	5.24	5.10	5.30	5.47	5.61	5.56	4.82	5.16
1957	4.67	5.01	4.99	5.01	5.29	5.18	5.28	5.51	5.46	5.84	5.53	5.12	5.24
1958	5.09	4.60	4.92	4.96	5.00	5.23	5.12	5.20	5.60	5.90	5.44	5.24	5.19

RUN DATE 11/16/82

STATION NO. 8724580

KEY WEST, FL 24 33.2N 81 48.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1959	5.06	4.84	4.92	5.01	5.22	5.27	5.19	5.19	5.38	5.58	5.58	5.27	5.21
1960	5.17	5.00	4.93	5.04	5.15	5.36	5.37	5.43	5.48	5.67	5.42	5.17	5.27
1961	4.85	5.06	5.29	5.20	5.14	5.13	5.13	5.15	5.27	5.67	5.59	5.21	5.22
1962	4.89	4.94	5.41	4.91	5.26	5.21	5.27	5.47	5.57	5.62	5.41	5.27	5.27
1963	5.11	4.79	4.81	4.90	5.10	4.90	5.23	5.24	5.63	5.78	5.45	4.90	5.15
1964	4.67	4.59	4.73	4.84	5.13	5.06	4.95	5.11	5.37	5.35	5.28	5.00	5.01
1965	5.00	4.99	4.79	5.01	5.02	5.01	5.06	5.31	5.60	5.25	5.52	5.17	5.14
1966	5.30	5.03	5.03	5.12	5.24	5.07	5.23	5.27	5.43	5.45	5.45	5.18	5.23
1967	5.01	4.86	4.97	5.18	5.06	5.38	5.27	5.42	5.44	5.56	5.43	5.32	5.24
1968	5.07	5.08	5.00	5.08	4.95	4.91	5.11	5.22	5.42	5.45	5.19	5.02	5.12
1969	5.11	4.99	4.97	4.98	5.00	5.10	5.16	5.41	5.38	5.65	5.48	5.30	5.21
1970	4.90	4.79	4.94	4.93	5.16	5.19	5.07	5.61	5.53	5.73	5.48	5.20	5.21
1971	4.95	5.14	5.04	4.93	4.88	4.99	5.23	5.25	5.38	5.73	5.86	5.42	5.23
1972	5.36	5.15	5.15	5.13	5.41	5.39	5.22	5.26	5.63	5.68	5.50	5.29	5.35
1973	5.47	5.39	5.50	5.44	5.24	5.10	5.33	5.63	5.66	6.00	5.65	5.31	5.48
1974	5.09	5.13	5.08	5.15	5.27	5.43	5.33	5.39	5.76	6.04	5.53	5.12	5.36
1975	4.97	5.27	5.24	5.28	5.43	5.43	5.56	5.54	5.61	5.50	5.58	5.46	5.41
1976	4.90	4.78	4.97	5.04	5.12	5.33	5.17	5.30	5.47	5.57	5.37	5.36	5.20
1977	4.98	4.73	4.98	5.06	5.41	5.27	5.26	5.45	5.70	5.49	5.60	5.31	5.27
1978	4.98	5.12	5.12	5.07	5.23	5.39	5.34	5.38	5.63	5.95	5.65	5.31	5.35
1979	5.28	4.95	5.14	5.11	5.13	5.40	5.30	5.41	5.75	5.67	5.46	5.38	5.33
1980	5.32	5.24	5.02	5.25	5.43	5.44	5.37	5.42	5.62	5.53	5.65	5.18	5.37

RUN DATE 11/16/82

STATION NO. 8726520

ST. PETERSBURG,FL 27 46.4N 82 37.3W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1947	4.04	3.81	3.88	3.96	4.30	4.48	4.28	4.42	4.22	4.70	4.68	4.45	4.27
1948	4.00	4.09	4.61	4.41	4.52	4.56	4.57	4.54	4.60	4.61	4.49	4.14	4.43
1949	3.99	4.01	4.03	4.16	4.22	4.49	4.49	4.59	4.69	4.79	4.24	3.93	4.30
1950	4.22	4.03	3.96	4.11	4.26	4.22	4.37	4.62	4.67	4.43	4.28	4.16	4.28
1951	3.94	3.83	4.14	4.04	4.09	4.33	4.32	4.42	4.58	4.47	4.21	4.20	4.21
1952	4.01	4.03	4.14	4.02	4.29	4.24	4.20	4.35	4.40	4.10	4.10	4.29	4.18
1953	4.07	4.01	4.05	4.19	4.27	4.56	4.27	4.41	4.71	4.43	4.25	4.13	4.28
1954	4.00	4.08	3.88	4.18	4.46	4.33	4.37	4.41	4.65	4.27	4.21	3.89	4.23
1955	4.00	3.86	3.83	4.14	4.26	4.48	4.52	4.50	4.59	4.48	4.28	3.97	4.24
1956	3.96	3.95	3.89	4.09	4.06	4.21	4.16	4.39	4.52	4.33	4.24	3.84	4.14
1957	3.73	4.02	4.17	4.12	4.45	4.67	4.64	4.71	4.74	4.59	4.55	3.94	4.36
1958	3.87	3.68	4.05	4.22	4.09	4.49	4.36	4.46	4.62	4.74	4.49	4.08	4.26
1959	4.00	4.02	4.13	4.18	4.29	4.52	4.48	4.55	4.68	4.77	4.30	4.16	4.34
1960	4.17	4.06	3.93	4.03	4.26	4.47	4.72	4.59	4.59	4.65	4.26	4.06	4.32
1961	3.81	4.04	4.29	4.20	4.26	4.30	4.48	4.57	4.58	4.43	4.51	4.22	4.31
1962	3.77	4.04	4.34	3.96	4.18	4.44	4.45	4.58	4.72	4.48	4.24	4.16	4.28
1963	4.10	3.94	3.98	4.21	4.16	4.35	4.42	4.41	4.64	4.41	4.42	3.88	4.24
1964	3.74	3.77	3.83	3.97	4.18	4.30	4.30	4.42	4.65	4.39	4.28	4.04	4.16
1965	4.03	4.08	4.00	4.10	4.24	4.46	4.47	4.72	4.77	4.64	4.51	4.17	4.35
1966	4.27	4.10	4.03	4.24	4.60	4.35	4.46	4.53	4.79	4.53	4.22	4.18	4.36
1967	4.05	4.08	4.04	4.36	4.54	4.67	4.59	4.76	4.59	4.38	4.34	4.47	4.41
1968	4.03	3.99	3.93	4.21	4.17	4.25	4.61	4.66	4.65	4.56	4.27	4.04	4.28
1969	4.00	4.11	4.16	4.12	4.09	4.50	4.42	4.61	4.48	4.53	4.29	4.19	4.29
1970	3.83	3.88	4.26	4.34	4.47	4.51	4.53	4.83	4.69	4.79	4.16	4.08	4.36
1971	3.88	3.99	3.91	3.97	4.20	4.25	4.32	4.52	4.65	4.80	4.78	4.42	4.31
1972	4.30	4.00	4.27	4.31	4.62	4.82	4.58	4.56	4.73	4.70	4.63	4.26	4.48
1973	4.31	4.23	4.61	4.55	4.51	4.51	4.50	4.64	4.79	4.70	4.65	4.27	4.52
1974	4.23	4.14	4.14	4.19	4.53	4.74	4.57	4.57	4.87	4.60	4.37	4.21	4.43
1975	4.17	4.43	4.35	4.34	4.63	4.60	4.83	4.78	4.99	4.65	4.48	4.41	4.56
1976	3.79	3.83	4.10	4.35	4.55	4.59	4.51	4.45	4.67	4.39	4.16	4.16	4.30
1977	3.93	3.73	4.03	4.02	4.41	4.54	4.45	4.68	4.93	4.47	4.51	4.21	4.33
1978	3.87	3.95	4.07	4.24	4.42	4.43	4.56	4.44	4.71	4.69	4.70	4.27	4.36
1979	4.19	4.05	4.36	4.55	4.46	4.45	4.67	4.71	5.00	4.67	4.33	4.26	4.48
1980	4.35	4.22	4.26	4.43	4.54	4.57	4.60	4.57	4.61	4.42	4.53	4.24	4.44

RUN DATE 11/16/82

STATION NO. 8727520

CEDAR KEY,FL 29 08.1N 83 01.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1914				3.20	3.38	3.55	3.64	3.82	3.59	3.53	3.37	3.16	3.47
1915	3.10	3.10	3.11	3.08	3.53	3.42	3.70	3.66	3.66	3.34	3.45	3.13	3.36
1916	3.09	2.98	3.10	3.14	3.37	3.53	3.73	3.55	3.57	3.48	3.31	3.27	3.34
1917	3.04	2.89	3.19	3.38	3.46	3.55	3.63	3.63	3.62	3.46	3.08	3.02	3.33
1918	3.24	2.87	3.19	3.48	3.46	3.65	3.49	3.55	3.59	3.51	3.21	3.31	3.38
1919	2.94	3.18	3.21	3.26	3.52	3.36	3.71	3.72	3.73	3.92	3.62	3.01	3.43
1920	2.99	2.97	2.81	3.40	3.17	3.54	3.65	3.73	3.73	3.45	3.30	3.18	3.33
1921	3.09	3.16	3.26	3.38	3.54	3.60	3.73	3.56	3.72	3.49	3.49	3.28	3.44
1922	3.03	3.27	3.26	3.39	3.53	3.54	3.79	3.70	3.59	3.64	3.56	3.34	3.47
1923	3.11	2.93	3.24	3.34	3.71	3.76	3.57	3.80	3.62	3.55	3.37	3.14	3.43
1924	2.85	3.02	3.31	2.93	3.17	3.53	3.65	3.52	3.84	3.09	3.27	2.88	3.26
1925	3.11	3.18	3.07	3.28	3.40	3.50	3.61	3.63	3.79	3.68	3.41	3.02	3.39
1938										3.64	3.50	3.29	
1939	3.25	3.31	3.23	3.37	3.54	3.76	3.70	3.83	3.77	3.79	3.29	3.29	3.51
1940	2.84	2.95	3.03	3.25	3.52	3.57	3.62	3.90	3.79	3.78	3.46	3.47	3.43
1941	3.14	3.04	2.97	3.37	3.66	3.82	4.04	3.89	4.08	4.01	3.66	3.42	3.59
1942	3.23	3.17	3.24	3.36	3.55	3.80	3.78	3.84	3.96	3.89	3.56	3.34	3.56
1943	3.12	3.02	3.34	3.63	3.82	3.98	3.70	4.02	4.16	4.00	3.39	3.31	3.62
1944	3.02	3.20	3.46	3.55	3.57	3.89	3.91	3.87	3.95	3.56	3.69	2.95	3.55
1945	3.05	2.99	3.35	3.58	3.64	3.72	3.78	4.03	3.98	3.92	3.43	3.33	3.57
1946	3.18	3.18	3.39	3.57	3.87	3.81	3.86	3.98	4.08	3.91	3.87	3.57	3.69
1947	3.50	3.14	3.47	3.50	3.76	3.87	3.71	3.85	3.57	4.12	4.05	3.84	3.70
1948	3.33	3.42	4.02	3.81	3.95	3.90	4.16	4.02	4.07	4.12	4.07	3.61	3.87
1949	3.52	3.58	3.63	3.79	3.80	3.91	3.98	4.07	4.11	4.23	3.68	3.35	3.80
1950	3.65	3.44	3.32	3.46	3.64	3.64	3.89	4.10	3.78	3.86	3.60	3.52	3.66
1951	3.33	3.23	3.58	3.52	3.53	3.78	3.74	3.82	3.97	3.76	3.60	3.65	3.63
1952	3.37	3.42	3.60	3.49	3.72	3.67	3.65	3.80	3.79	3.45	3.53	3.57	3.59
1953	3.34	3.32	3.46	3.59	3.76	3.99	3.73	3.92	4.10	3.73	3.49	3.46	3.66
1954	3.32	3.46	3.30	3.51	3.80	3.73	3.82	3.76	4.06	3.62	3.52	3.23	3.59
1955	3.28	3.22	3.24	3.64	3.71	3.90	3.96	3.91	3.97	3.83	3.66	3.26	3.63
1956	3.14	3.29	3.29	3.57	3.58	3.76	3.76	3.93	4.07	3.73	3.65	3.36	3.59
1957	3.24	3.57	3.65	3.51	3.86	4.19	4.16	4.10	4.27	3.96	3.96	3.32	3.82
1958	3.13	3.00	3.48	3.70	3.54	3.95	3.80	3.93	4.11	4.08	3.89	3.43	3.67
1959	3.39	3.35	3.47	3.54	3.82	3.87	3.85	3.96	3.97	4.17	3.48	3.40	3.69
1960	3.51	3.38	3.30	3.53	3.63	3.88	4.13	4.03	3.94	4.03	3.61	3.26	3.69
1961	2.94	3.44	3.63	3.56	3.62	3.80	4.05	4.03	4.25	4.05	4.20	3.84	3.78
1962	3.38	3.71	3.66	3.32	3.59	3.85	3.93	3.96	4.02	3.76	3.49	3.36	3.67
1963	3.33	3.12	3.30	3.61	3.50	3.75	3.82	3.80	3.79	3.60	3.61	3.02	3.52
1964	2.94	3.00	3.19	3.35	3.57	3.61	3.69	3.82	4.12	3.68	3.50	3.40	3.49
1965	3.35	3.29	3.34	3.41	3.60	3.90	3.83	4.07	4.06	3.90	3.80	3.54	3.67
1966	3.42	3.28	3.34	3.68	3.96	3.70	3.74	3.88	4.08	3.71	3.39	3.36	3.63
1967	3.33	3.32	3.36	3.77	3.92	3.94	3.97	4.15	3.81	3.67	3.55	3.71	3.71
1968	3.19	3.11	3.15	3.51	3.47	3.54	3.91	3.91	3.99	4.00	3.45	3.18	3.53
1969	3.16	3.26	3.50	3.49	3.44	3.89	3.87	4.12	3.98	4.04	3.64	3.58	3.66
1970	3.24	3.56	3.72	3.75	3.89	3.86	3.90	4.31	3.96	4.04	3.59	3.61	3.79
1971	3.39	3.49	3.41	3.53	3.61	3.63	3.90	3.95	4.05	4.19	4.00	3.72	3.74

RUN DATE 11/16/82

STATION NO. 8727520

CEDAR KEY,FL 29 08.1N 83 01.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1972	3.60	3.21	3.61	3.73	3.90	4.20	4.04	3.99	4.16	4.07	3.95	3.55	3.83
1973	3.60	3.51	3.94	3.95	3.94	3.91	3.93	4.09	4.29	4.16	3.98	3.57	3.91
1974	3.56	3.51	3.60	3.67	4.03	4.06	3.92	3.97	4.23	3.86	3.66	3.54	3.80
1975	3.47	3.75	3.68	3.71	4.03	4.03	4.27	4.21	4.42	4.00	3.80	3.73	3.92
1976	3.09	3.10	3.41	3.64	3.96	3.95	3.88	3.87	3.97	3.60	3.32	3.27	3.59
1977	3.16	3.07	3.47	3.51	3.84	3.94	3.85	4.10	4.33	3.76	3.84	3.44	3.69
1978	3.14	3.18	3.36	3.63	3.89	3.84	4.02	3.90	4.09	3.90	4.02	3.45	3.70
1979	3.32	3.23	3.62	3.92	3.80	3.71	4.04	4.06	4.27	3.88	3.54	3.42	3.73
1980	3.56	3.42	3.56	3.79	3.92	3.92	4.00	3.90	3.99	3.65	3.73	3.40	3.74

RUN DATE 11/16/82

STATION NO. 8729840

PENSACOLA,FL 30 24.2N 87 12.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1923					8.95	9.00	8.68	8.77	8.98	9.05	8.57	8.41	8.80
1924	8.12	8.20	8.35	8.11	8.17	8.51	8.56	8.53	8.94	8.75	8.46	8.12	8.40
1925	8.39	8.40	8.26	8.38	8.43	8.52	8.39	8.59	8.79	8.74	8.72	8.19	8.48
1926	8.07	8.03	8.20	8.36	8.39	8.48	8.39	9.00	9.32	9.04	8.48	8.56	8.53
1927	8.12	8.52	8.44	8.65	8.52	8.69	8.79	8.79	8.76	8.63	8.58	8.39	8.57
1928	7.92	8.05	8.29	8.49	8.70	8.67	8.64	8.79	8.95	8.80	8.50	8.41	8.52
1929	8.27	8.45	8.99	8.89	8.87	8.92	9.06	8.95	9.16	8.87	8.83	8.36	8.80
1930	8.33	8.47	8.37	8.44	8.64	8.56	8.41	8.56	8.80	8.74	8.40	8.14	8.49
1931	7.99	8.34	8.39	8.23	8.10	8.18	8.62	8.64	8.73	8.79	8.46	8.61	8.42
1932	8.58	8.57	8.25	8.30	8.54	8.65	8.64	8.90	9.11	8.94	8.50	8.71	8.64
1933	8.37	8.52	8.48	9.10	9.00	8.74	8.91	9.01	9.13	9.00	8.58	8.38	8.77
1934	8.34	8.09	8.20	8.38	8.42	8.64	8.51	8.64	8.82	9.02	8.79	8.28	8.51
1935	8.17	8.05	8.33	8.45	8.80	8.74	8.90	8.90	8.74	8.89	8.74	8.26	8.58
1936	8.55	8.40	8.24	8.42	8.82	8.96	8.73	9.01	9.02	8.93	8.40	8.41	8.66
1937	8.68	8.58	8.56	8.78	8.80	8.81	8.89	8.97	8.95	8.93	8.70	8.51	8.76
1938	8.28	8.19	8.62	8.77	8.70	8.58	8.75	9.10	8.96	8.96	8.75	8.45	8.68
1939	8.35	8.38	8.45	8.55	8.71	8.89	8.65	8.93	9.08	9.18	8.72	8.38	8.69
1940	7.93	8.09	8.30	8.36	8.51	8.67	8.83	8.87	9.12	8.98	8.72	8.67	8.59
1941	8.37	8.22	8.16	8.54	8.66	8.68	8.93	8.74	9.42	9.19	8.78	8.62	8.69
1942	8.34	8.45	8.49	8.67	8.75	8.91	8.79	9.02	9.14	9.06	8.79	8.39	8.73
1943	8.30	8.32	8.66	8.74	8.95	9.03	8.73	8.97	9.38	9.18	8.68	8.50	8.79
1944	8.34	8.38	8.82	9.04	9.08	9.08	8.96	9.08	9.26	8.98	8.97	8.28	8.86
1945	8.25	8.29	8.52	8.98	8.89	8.92	8.87	9.22	9.31	9.22	8.77	8.50	8.81
1946	8.51	8.38	8.66	8.75	9.11	9.15	8.90	9.11	9.37	9.25	9.17	8.79	8.93
1947	8.62	8.31	8.72	8.80	9.00	9.04	8.76	9.09	9.18	9.16	9.23	9.00	8.91
1948	8.45	8.58	9.29	9.19	8.98	8.99	9.22	9.24	9.48	9.31	9.24	8.82	9.07
1949	8.65	8.70	8.71	8.79	8.90	9.05	9.20	9.00	9.32	9.51	8.65	8.66	8.93
1950	8.90	8.67	8.61	8.83	8.82	8.72	8.94	9.24	9.15	9.15	8.75	8.65	8.87
1951	8.55	8.40	8.75	8.70	8.62	8.72	8.81	8.91	9.20	9.03	8.67	8.79	8.76
1952	8.60	8.67	8.80	8.63	8.86	8.69	8.90	8.87	9.16	8.67	8.57	8.64	8.76
1953	8.40	8.52	8.52	8.73	9.04	9.23	8.82	8.96	9.13	9.04	8.70	8.74	8.82
1954	8.53	8.51	8.54	8.74	8.95	8.74	8.69	8.80	9.21	8.95	8.60	8.28	8.71
1955	8.33	8.51	8.41	8.81	8.85	8.99	9.09	9.01	9.14	9.01	8.76	8.47	8.78
1956	8.24	8.52	8.57	8.71	8.80	8.87	8.73	8.85	9.25	9.13	8.76	8.37	8.73
1957	8.39	8.65	8.61	8.90	9.05	9.29	9.10	9.11	9.43	9.25	9.14	8.54	8.96
1958	8.43	8.17	8.63	8.79	8.79	8.97	9.00	9.03	9.46	9.33	9.07	8.55	8.85
1959	8.48	8.49	8.61	8.84	9.03	9.17	9.07	9.16	9.31	9.41	8.87	8.61	8.92
1960	8.64	8.62	8.54	8.82	8.71	9.07	9.06	9.21	9.31	9.15	8.80	8.61	8.88
1961	8.25	8.69	8.96	8.90	8.88	8.90	9.19	9.33	9.57	9.15	9.09	8.96	8.99
1962	8.45	8.63	8.91	8.77	8.80	8.97	8.78	9.04	9.21	8.99	8.67	8.46	8.81
1963	8.49	8.24	8.50	8.74	8.70	8.77	8.67	8.76	9.16	8.99	8.84	8.23	8.67
1964	8.24	8.30	8.58	8.65	8.88	8.72	8.78	9.03	9.19	9.00	8.76	8.68	8.73
1965	8.55	8.61	8.50	8.67	8.76	9.04	8.91	9.19	9.72	9.21	9.08	8.78	8.92
1966	8.68	8.56	8.67	8.76	9.08	8.86	8.76	8.90	9.10	8.95	8.66	8.53	8.79
1967	8.49	8.59	8.51	8.87	8.97	9.22	8.97	9.16	9.19	8.96	8.92	8.95	8.90
1968	8.48	8.37	8.43	8.63	8.59	8.58	8.89	9.00	9.13	8.97	8.58	8.36	8.67

RUN DATE 11/16/82

STATION NO. 8729840

PENSACOLA,FL 30 24.2N 87 12.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1969	8.44	8.63	8.59	8.73	8.72	8.89	8.83	9.23	9.00	9.20	8.65	8.54	8.79
1970	8.24	8.28	8.76	8.93	9.04	9.10	8.96	9.33	9.33	9.50	8.76	8.81	8.92
1971	8.66	8.65	8.61	8.78	8.79	8.59	8.85	9.03	9.38	9.25	9.21	9.10	8.91
1972	8.84	8.45	8.76	8.99	9.25	9.24	9.19	8.99	9.36	9.39	9.08	8.86	9.03
1973	8.93	8.84	9.30	9.30	9.13	9.12	8.96	9.28	9.53	9.44	9.29	8.86	9.16
1974	8.82	8.71	8.70	9.02	9.23	9.19	9.01	9.10	9.49	9.31	8.92	8.72	9.02
1975	8.71	9.06	9.07	9.11	9.29	9.27	9.39	9.69	9.77	9.42	9.31	9.08	9.26
1976	8.40	8.39	8.74	8.96	9.14	9.29	8.91	8.98	9.17	8.92	8.63	8.67	8.85
1977	8.37	8.32	8.75	8.92	9.13	8.95	8.94	9.36	9.65	9.06	9.14	8.65	8.94
1978	8.40	8.50	8.59	8.78	9.12	9.13	9.05	9.07	9.33	9.18	9.14	8.68	8.91
1979	8.44	8.54	8.98	9.20	9.01	9.02	9.34	9.26	9.67	9.17	8.87	8.65	9.01
1980	8.73	8.60	8.80	9.06	9.11	8.98	8.99	9.10	9.23	8.77	8.89	8.59	8.90

RUN DATE 11/16/82

STATION NO. 8761720

GRAND ISLE,LA 26 16.5N 89 57.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1947	4.78	4.53	4.80	4.95	5.15	5.16	4.89	5.25	5.33	5.28	5.33	5.04	5.04
1948	4.63	4.65	5.37	5.30	5.20	5.05	5.19	5.28	5.69	5.46	5.31	4.85	5.16
1949	4.78	4.94	4.98	4.98	5.13	5.14	5.15	5.00	5.56	5.75	4.88	4.94	5.10
1950	5.23	5.06	5.00	5.11	5.01	4.99	5.05	5.37	5.47	5.37	4.80	4.70	5.10
1951	4.64	4.61	4.95	4.90	4.86	4.90	4.94	5.01	5.32	5.23	4.84	5.00	4.93
1952	4.92	4.92	5.00	4.81	5.08	4.94	5.11	4.94	5.36	4.87	4.75	4.73	4.95
1953	4.44	4.67	4.82	4.93	5.15	5.37	4.92	5.09	5.38	5.17	4.85	4.70	4.96
1954	4.61	4.71	4.64	4.86	5.12	4.84	4.72	4.88	5.44	5.25	4.76	4.37	4.85
1955	4.55	4.76	4.65	5.03	5.06	5.05	5.18	5.12	5.39	5.21	5.04	4.75	4.98
1956	4.52	4.78	4.83	4.89	5.08	5.07	4.86	4.94	5.50	5.32	5.00	4.51	4.94
1957	4.55	4.98	4.85	5.20	5.36	5.59	5.21	5.28	5.69	5.52	5.40	4.81	5.20
1958	4.79	4.50	4.83	5.02	5.12	5.26	5.18	5.22	5.77	5.72	5.34	4.88	5.14
1959	4.71	4.81	4.87	5.02	5.28	5.31	5.08	5.34	5.49	5.49	5.03	4.83	5.10
1960	5.02	4.96	4.86	4.98	5.06	5.22	5.17	5.39	5.56	5.37	5.07	4.95	5.13
1961	4.66	4.90	5.22	5.08	5.23	5.21	5.44	5.54	6.07	5.60	5.53	5.39	5.32
1962	4.74	4.92	5.21	5.14	5.22	5.26	4.99	5.33	5.58	5.34	5.03	4.76	5.13
1963	4.89	4.64	4.91	5.17	5.01	5.11	4.97	5.05	5.64	5.44	5.29	4.68	5.07
1964	4.53	4.66	4.97	5.05	5.30	5.12	5.03	5.31	5.60	5.45	5.23	5.10	5.11
1965	4.94	5.02	4.87	5.10	5.27	5.41	5.16	5.43	6.13	5.74	5.63	5.33	5.34
1966	5.30	5.15	5.17	5.26	5.68	5.35	5.24	5.28	5.56	5.52	5.20	5.08	5.32
1967	5.01	5.06	5.07	5.48	5.45	5.75	5.39	5.61	5.74	5.49	5.47	5.40	5.41
1968	5.11	5.04	4.92	5.27	5.24	5.22	5.40	5.49	5.72	5.56	5.14	4.95	5.26
1969	5.20	5.39	5.35	5.45	5.54	5.55	5.38	5.77	5.74	6.00	5.33	5.17	5.49
1970	4.94	4.92	5.42	5.63	5.88	5.71	5.62	5.86	6.06	6.17	5.38	5.52	5.59
1971	5.43	5.35	5.27	5.40	5.42	5.23	5.42	5.63	6.24	6.07	5.92	5.86	5.60
1972	5.66		5.49							6.33	6.00	5.72	
1973	5.71	5.52	5.96	5.98	5.84	5.84	5.62	5.91	6.32	6.29	6.12	5.68	5.90
1974	5.70	5.50	5.62	5.98	6.24	5.99	5.72	5.84	6.38	6.18	5.82	5.53	5.88
1975	5.64	5.83	5.88	5.98	6.14	6.13	6.03	6.17	6.56	6.08	6.11	5.83	6.03
1976													
1977								6.16	6.52	6.01	6.00	5.59	
1978	5.34	5.30	5.33	5.72	6.02	5.97	5.81	5.91	6.24	6.17	6.05	5.70	5.80

RUN DATE 11/16/82

STATION NO. 8764311

EUGENE ISLAND,LA 29 22.3N 91 23.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1939						2.58	2.13	2.20	2.43	2.58	2.23	1.76	
1940	1.28	1.49	1.90	2.06	2.14	2.32	2.22	2.28	2.66	2.55	2.21	2.18	2.11
1941	2.01	1.82	1.72	2.21	2.46	2.34	2.26	2.08	3.16	2.89	2.41	2.35	2.31
1942	1.84	2.02	2.11	2.54	2.60	2.62	2.42	2.64	2.81	2.64	2.44	2.07	2.40
1943	1.96	2.05	2.28	2.58	2.87	2.85	2.31	2.49	2.94	2.82	2.32	2.14	2.47
1944	2.00	2.08	2.49	2.80	3.14	2.94	2.58	2.59	2.88	2.65	2.59	1.90	2.55
1945	1.92	2.04	2.49	3.12	3.00	3.06	2.73	2.81	3.02	3.02	2.53	2.13	2.66
1946	2.15	2.29	2.53	2.56	2.86	2.92	2.40	2.56	3.02	3.01	2.95	2.52	2.65
1947	2.35	2.16	2.32	2.62	2.85	2.86	2.56	2.90	2.89	2.88	2.83	2.52	2.64
1948	2.09	2.28	3.01	3.04	2.93	2.75	2.87	2.85	3.17	3.02	2.82	2.42	2.77
1949	2.44	2.69	2.84	2.70	2.94	2.97	2.85	2.65	3.12	3.48	2.64	2.60	2.83
1950	3.00	2.89	2.90	2.99	2.89	2.79	2.83	3.05	3.05	2.96	2.42	2.36	2.84
1951	2.39	2.35	2.74	2.70	2.70	2.68	2.65	2.68	2.99	2.92	2.49	2.65	2.66
1952	2.68	2.67	2.82	2.62	2.83	2.76	2.99	2.71	3.08	2.44	2.29	2.29	2.68
1953	2.16	2.30	2.61	2.77	3.01	3.14	2.69	2.81	3.03	2.84	2.48	2.23	2.67
1954	2.26	2.38	2.42	2.66	2.90	2.63	2.45	2.61	3.07	2.90	2.40	1.90	2.55
1955	2.18	2.64	2.57	2.90	2.98	2.87	3.00	2.82	3.06	2.86	2.61	2.32	2.73
1956	2.17	2.44	2.75	2.84	2.99	3.03	2.73	2.84	3.29	3.12	2.83	2.37	2.78
1957	2.47	2.86	2.81	3.13	3.32	3.61	2.94	3.11	3.32	3.21	3.09	2.73	3.05
1958	2.71	2.45	2.75	2.93	3.04	3.24	3.13	3.10	3.61	3.39	3.11	2.60	3.00
1959	2.50	2.65	2.77	2.96	3.30	3.22	2.98	3.14	3.33	3.27	2.78	2.62	2.96
1960	2.71	2.79	2.66	3.00	3.01	3.14	3.02	3.27	3.35	3.16	2.83	2.74	2.97
1961	2.40	2.82	3.13	3.16	3.17	3.12	3.11	3.25	3.75	3.41	3.28	3.16	3.15
1962	2.61	3.02	3.14	3.21	3.27	3.24	2.87	3.28	3.44	3.16	2.91	2.61	3.06
1963	2.61	2.33	2.80	3.20	2.96	3.06	2.94	2.88	3.37	3.22	2.94	2.31	2.88
1964	2.30	2.36	2.82	3.09	3.16	3.01	2.96	3.24	3.40	3.18	2.98	2.88	2.95
1965	2.77	2.78	2.76	3.13	3.33	3.30	3.09	3.22	3.74	3.36	3.31	3.27	3.17
1966	3.11	3.23	3.25	3.25	3.51	3.22	3.15	3.13	3.39	3.18	2.97	2.87	3.19
1967	2.80	2.84	2.90	3.40	3.36	3.64	3.33	3.45	3.56	3.30	3.32	3.16	3.26
1968	2.96	2.86	2.75	3.41	3.24	3.27	3.29	3.42	3.57	3.38	3.11	2.88	3.18
1969	2.95	3.11	3.05	3.20	3.30	3.38	3.13	3.47	3.31	3.62	2.95	2.92	3.20
1970	2.65	2.71	3.14	3.57	3.66	3.58	3.32	3.56	3.71	3.78	3.09	3.19	3.33
1971	3.10	3.13	3.08	3.29	3.11	3.00	2.88						3.33
1972													
1973													
1974	3.55	3.32	3.52	3.89	4.14	3.73	3.50	3.60	4.00	3.80	3.51	3.40	3.66

RUN DATE 11/16/82

STATION NO. 8770590

SABINE PASS,TX 29 42.3N 93 51.2W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1958						5.28	5.19	4.96	6.01	5.86	5.39	4.78	
1959	4.60	4.96	4.75	5.11	5.54							4.86	
1960	4.86	4.80	4.88	5.05	4.97	5.11	4.92	5.29	5.38	5.23	5.06	5.09	5.05
1961	4.84	4.90	5.24	5.04	5.21	5.13	5.37	5.43	6.42	5.53	5.47	5.26	5.32
1962	4.51	5.00	5.11	5.21	5.40	5.21	4.68	5.09	5.51				
1963	4.77	4.47	4.78	5.10	4.78	4.89	4.74	4.61	5.62	5.35	5.12	4.49	4.89
1964	4.26	4.31	4.85	5.10	5.26	5.00	4.74	5.03	5.47	5.13	5.00	5.04	4.93
1965	4.64	4.82	4.50	4.84	5.24	5.18	4.83	5.13	6.08	5.65	5.66	5.43	5.17
1966	4.93	5.03	4.73	5.10	5.50	5.27	5.06	5.14	5.36	5.27	5.01	4.79	5.10
1967	4.81	4.83	4.98	5.60	5.53	5.63	5.33	5.55	5.86	5.54	5.43	5.35	5.37
1968	5.10	4.80	4.71	5.26	5.24	5.35	5.32	5.46	5.66	5.43	4.97	4.90	5.18
1969	5.14	5.25	5.21	5.55	5.58	5.51	5.11	5.47	5.59	5.89	4.92	4.77	5.33
1970	4.60	4.69	5.20	5.53	5.71	5.17	5.03	5.29	5.70	5.76	5.01	5.20	5.24
1971										5.80	5.80	5.93	
1972	5.69	5.24	5.36	5.77	5.80	5.84	5.83	5.46	6.06	6.12	5.65	5.50	5.69
1973		5.45	5.98	6.09	5.93	5.96	5.61						
1974	6.07	5.68	6.01	6.37	6.55	6.24	5.73	5.91	6.24	6.17	5.60	5.33	5.99
1975	5.56	5.63	5.88	6.04	6.16	6.03	5.71	5.90	6.25	5.86	5.86	5.54	5.87
1976	5.05	4.78	5.53	5.57	5.79	5.90	5.46	5.47	5.65			5.05	
1977	5.04	5.05	5.54	5.53	5.96	5.60	5.41	5.87	6.17	5.71	5.73	5.44	5.59
1978	5.12	5.06	4.89	5.43	5.69	5.71	5.42	5.50	5.87	5.81	5.70	5.36	5.46

RUN DATE 11/16/82

STATION NO. 8771450

GALVESTON(PIER 21), TX 29 18.8N 94 47.2W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1908					3.63	4.04	3.57	3.33	4.19	3.89	3.32	2.96	3.62
1909	3.21	2.78	3.14	3.32	3.71	3.53	3.24	3.58	3.97	3.94	3.92	3.43	3.48
1910	3.03	3.06	2.91	2.79	3.18	3.08	3.08	3.20	4.07	4.04	3.27	2.97	3.22
1911	2.82	3.14	3.24	3.75	3.72	3.04	3.10	3.26	3.72	3.74	3.41	3.31	3.35
1912	3.15	2.96	3.34	3.70	3.73	4.13	3.49	3.38	3.50	3.88	3.46	3.40	3.51
1913	2.97	3.54	3.64	3.74	4.05	3.91	3.30	3.69	4.12	3.69	3.48	3.45	3.63
1914	3.17	3.19	2.88	3.53	4.20	3.64	3.31	3.64	4.02	3.90	3.78	3.59	3.57
1915	3.09	3.40	3.22	3.33	3.59	3.34	3.41	3.39	3.89	4.00	3.41	3.35	3.45
1916	3.54	3.13	3.23	3.45	3.70	3.43	3.21	3.71	3.89	4.01	3.58	3.04	3.49
1917	2.86	2.84	3.35	3.42	3.60	3.47	3.16	3.03	3.75	3.54	2.89	3.07	3.25
1918	2.59	2.89	3.11	3.52	3.86	3.40	3.31	3.26	3.59	3.76	3.43	3.29	3.33
1919	3.10	3.33	3.63	3.53	3.63	4.15	3.44	3.23	4.42	4.17	4.13	3.58	3.70
1920	3.52	3.46	3.24	3.50	3.67	3.70	3.51	3.59	3.71	4.19	3.61	3.37	3.59
1921	3.43	3.40	4.20	4.54	4.49	4.44	3.82	3.83	4.33	3.92	3.45	3.22	3.92
1922	3.30	3.51	3.49	4.14	3.93	3.87	3.47	3.34	4.04	4.02	4.03	3.52	3.72
1923	3.38	3.54	3.79	4.04	4.17	4.23	3.54	3.20	3.72	4.46	3.71	3.53	3.78
1924	3.53	3.11	3.50	3.28	3.21	3.53	3.53	3.28	3.98	4.20	3.48	3.31	3.50
1925	3.05	3.11	3.41	3.51	3.51	3.61	3.10	3.41	3.85	3.83	4.01	3.31	3.48
1926	3.11	2.78	3.38	3.54	3.46	3.33	3.21	3.61	4.17	4.06	3.41	3.88	3.50
1927	3.44	3.68	3.66	4.07	4.01	3.88	3.72	3.59	3.92	3.91	3.85	3.57	3.78
1928	3.14	3.22	3.23	3.56	3.62	3.70	3.38	3.60	4.39	3.94	3.67	3.49	3.58
1929	3.49	3.67	3.80	4.21	4.20	4.18	4.10	4.01	4.44	4.20	3.88	3.68	3.99
1930	3.60	3.65	3.62	3.73	4.16	3.80	3.34	3.58	3.87	4.24	3.52	3.19	3.69
1931	3.11	3.42	3.02	3.34	3.21	3.34	3.49	3.52	3.88	4.12	3.81	3.64	3.49
1932	3.86	4.02	3.40	3.45	3.69	3.66	3.60	3.85	4.21	3.93	3.40	3.66	3.73
1933	3.52	3.78	3.75	3.90	4.18	3.83	3.90	4.14	4.44	4.29	3.72	3.45	3.91
1934	3.60	3.37	3.39	3.66	3.63	3.63	3.50	3.54	3.91	4.06	3.91	3.37	3.63
1935	3.30	3.32	3.50	3.53	4.19	4.00	3.87	3.73	4.08	4.34	3.98	3.62	3.79
1936	3.31	3.64	3.44	3.51	4.34	4.14	3.81	4.05	4.17	4.07	3.59	3.51	3.80
1937	3.95	3.99	3.97	3.78	3.85	3.88	3.96	3.94	4.21	4.22	3.81	3.53	3.92
1938	3.22	3.44	3.98	3.88	4.17	3.73	3.58	4.24	4.30	4.42	3.93	3.67	3.88
1939	3.45	3.70	3.79	3.84	3.91	3.99	3.55	3.47	3.96	4.31	4.03	3.30	3.78
1940	2.95	2.89	3.32	3.45	3.52	3.77	3.61	3.65	4.46	4.29	4.17	4.09	3.68
1941	3.76	3.52	3.48	3.96	4.14	4.00	3.79	3.63	5.09	4.70	4.08	4.11	4.02
1942	3.46	3.75	3.40	4.21	4.30	4.15	4.00	4.31	4.58	4.31	4.22	3.68	4.03
1943	3.59	3.55	3.99	4.16	4.33	4.38	3.78	3.92	4.53	4.39	4.04	3.82	4.04
1944	3.71	3.82	4.16	4.43	4.74	4.49	4.00	4.02	4.47	4.36	4.31	3.54	4.17
1945	3.65	3.68	4.11	4.82	4.36	4.51	4.19	4.44	4.74	4.82	4.32	3.85	4.29
1946	3.81	3.85	4.05	3.98	4.61	4.61	3.73	4.02	4.72	4.91	4.94	4.32	4.30
1947	3.99	3.76	3.83	4.18	4.32	4.30	4.04	4.56	4.47	4.52	4.57	4.24	4.23
1948	3.83	3.95	4.57	4.55	4.46	4.12	4.26	4.31	4.89	4.76	4.29	3.97	4.33
1949	3.99	4.32	4.58	4.26	4.50	4.37	4.16	4.08	4.84	5.20	4.05	4.50	4.40
1950	4.57	4.35	4.43	4.68	4.42	4.34	4.18	4.47	4.79	4.81	4.08	3.90	4.42
1951	3.86	3.81	4.02	3.95	4.22	4.01	3.94	4.00	4.54	4.64	4.08	4.25	4.11
1952	4.21	3.96	4.32	4.02	4.25	4.14	4.42	4.06	4.79	4.15	4.10	3.93	4.20
1953	3.42	3.97	4.10	4.33	4.59	4.61	4.11	4.20	4.66	4.57	4.10	3.89	4.21

RUN DATE 11/16/82

STATION NO. 8771450
GALVESTON(PIER 21), TX 29 18.8N 94 47.2W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1954	3.81	3.72	3.91	4.11	4.37	4.07	3.20	4.00	4.76	4.64	4.00	3.41	4.00
1955	3.66	4.02	3.92	4.28	4.29	4.24	4.30	4.20	4.80	4.46	4.40	4.00	4.21
1956	3.80	3.91	4.06	4.24	4.35	4.27	3.69	3.97	4.70	4.54	4.08	3.55	4.10
1957	3.78	4.07	3.87	4.50	4.78	4.88	4.17	4.43	4.89	4.86	4.71	3.94	4.41
1958	4.00	3.81	4.03	4.24	4.36	4.41	4.33	4.16	5.19	5.18	4.70	4.13	4.38
1959	3.98	4.22	4.03	4.34	4.73	4.60	4.31	4.62	4.81	4.80	4.19	4.01	4.39
1960	4.11	4.01	4.07	4.22	4.29	4.32	4.19	4.50	4.76	4.58	4.45	4.36	4.32
1961	3.85	4.00	4.34	4.17	4.48	4.37	4.50	4.65	5.80	4.88	4.80	4.46	4.52
1962	3.70	4.21	4.40	4.43	4.52	4.48	3.97	4.33	4.78	4.53	4.24	4.06	4.30
1963	4.02	3.72	4.05	4.32	4.15	4.15	4.03	3.96	4.78	4.68	4.45	3.74	4.17
1964	3.55	3.65	4.02	4.18	4.48	4.25	4.02	4.33	4.88	4.57	4.42	4.35	4.22
1965	3.91	4.16	3.77	4.27	4.62	4.61	4.15	4.46	5.19	4.89	4.89	4.65	4.46
1966	4.30	4.18	3.98	4.46	4.90	4.51	4.27	4.29	4.60	4.67	4.27	4.05	4.37
1967	4.01	4.09	4.26	4.73	4.74	4.84	4.41	4.60	4.98	4.64	4.58	4.42	4.52
1968	4.20	4.14	3.97	4.50	4.53	4.55	4.58	4.70	5.03	4.80	4.35	4.09	4.45
1969	4.35	4.47	4.31	4.55	4.66	4.69	4.25	4.63	4.78	5.21	4.24	4.07	4.52
1970	3.94	3.86	4.33	4.64	4.88	4.47	4.37	4.66	5.04	5.06	4.20	4.47	4.49
1971	4.38	4.21	4.12	4.50	4.48	4.18	4.16	4.29	5.22	4.94	5.04	4.95	4.54
1972	4.78	4.19	4.53	5.00	4.92	4.98	4.97	4.60	5.23	5.22	4.94	4.65	4.83
1973	4.56	4.53	5.08	5.08	4.89	4.99	4.43	4.80	5.45	5.44	5.24	4.49	4.92
1974	4.68	4.24	4.71	5.17	5.35	4.95	4.45	4.67	5.16	5.30	4.91	4.47	4.84
1975	4.67	4.72	5.01	5.26	5.33	5.16	4.82	5.00	5.62	5.10	5.09	4.74	5.04
1976	4.21			4.86	4.68	5.01	4.63						4.75
1977	4.16	4.18	4.71	4.69	5.09	4.78	4.59	5.03	5.35	5.03	4.87	4.60	4.76
1978	4.34	4.32	4.14	4.69	4.95	4.94	4.57	4.65	5.26	5.22	5.08	4.67	4.74
1979	4.23			5.34					5.81	5.01	4.79	4.58	
1980	4.68	4.69	4.68	4.62	5.01	4.65	4.52	5.04	5.11	4.75	4.67	4.38	4.73

RUN DATE 11/16/82

STATION NO. 8772440

FREEPORT HARBOR,TX 28 56.8N 95 18.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1954					3.77	3.49	3.14	3.46	4.18	4.07	3.45	2.89	
1955	3.14	3.47	3.32	3.70	3.71	3.66	3.73	3.64	4.27	3.95	3.91	3.42	3.66
1956	3.26	3.36	3.53	3.71	3.85	3.78	3.18	3.48	4.15	4.04	3.60	3.03	3.58
1957	3.26	3.59	3.42	4.02	4.26	4.31	3.69	3.90	4.36	4.38	4.25	3.46	3.91
1958	3.50	3.36	3.57	3.75	3.83	3.87	3.79	3.62	4.67	4.74	4.24	3.69	3.89
1959	3.52	3.77	3.55	3.83	4.20	4.05	3.73	4.04	4.27	4.35	3.81	3.57	3.89
1960	3.70	3.52	3.59	3.70	3.74	3.79	3.61	3.91	4.25	4.10	4.04	3.84	3.82
1961	3.44	3.51	3.78	3.65	4.00	3.82	3.96	4.18	5.22	4.44	4.38	4.04	4.04
1962	3.23	3.80	3.94	3.93	4.02	3.95	3.45	3.81	4.28	4.05	3.81	3.61	3.82
1963	3.57	3.33	3.60	3.74	3.66	3.70	3.53	3.49	4.32	4.23	4.06	3.37	3.72
1964	3.11	3.16	3.49	3.73	3.97	3.67	3.47	3.79	4.33	4.17	3.93	3.84	3.72
1965	3.44	3.66	3.22	3.78	4.14	4.04	3.60	3.90	4.68	4.47	4.40	4.15	3.96
1966	3.95	3.68	3.61	3.92	4.31	4.11	3.87	3.85	4.11		3.91	3.59	
1967	3.43	3.64	3.76	4.25	4.27	4.33	3.83	4.10	4.57	4.29	4.43	4.14	4.09
1968	3.94	3.76	3.57	4.03	4.06	4.06	4.16	4.22	4.57	4.43	3.89	3.67	4.03
1969	4.03	4.18	3.98	4.14	4.26	4.28	3.83	4.24	4.44	4.90	3.91	3.71	4.16
1970	3.63	3.56	4.01	4.27	4.52	4.10	4.04	4.34	4.75	4.81	3.90	4.21	4.18
1971	4.10	3.97	3.85	4.19	4.16	3.84	3.82	4.03	4.97	4.74	4.79	4.62	4.26
1972	4.52	4.00	4.39	4.80	4.83	4.84	4.84	4.47	5.04	5.26	4.84	4.51	4.70
1973	4.55	4.51	4.96	4.96	4.72	4.77	4.24	4.66	5.34	5.35	5.12	4.35	4.79
1974	4.58	4.18	4.64	5.03	5.26	4.89	4.37	4.57	5.12	5.35	4.90	4.38	4.77
1975	4.59	4.64	4.89	5.17	5.21	5.05	4.75	4.92	5.49	5.09	5.06	4.73	4.97
1976	4.19	3.85	4.56	4.80	4.63	4.93	4.52	4.49	4.77	4.62	4.38	4.28	4.50
1977	4.13	4.11	4.57	4.55	4.98	4.62	4.43	4.86	5.22	4.93	4.76	4.50	4.64

RUN DATE 11/16/82

STATION NO. 8774770

ROCKPORT,TX 28 01.3N 97 02.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1948	5.40	5.33	5.98	5.98	5.97	5.59	5.68	5.70	6.43	6.21	5.80	5.44	5.79
1949	5.34	5.65	5.95	5.74	6.04	5.81	5.62	5.45	6.12	6.58	5.59	5.87	5.81
1950	5.97	5.74	5.85	6.19	5.97	5.71	5.49	5.69	6.15	6.26	5.51	5.22	5.81
1951	5.26	5.28	5.53	5.48	5.83	5.51	5.43	5.42	5.99	6.14	5.59	5.67	5.59
1952	5.61	5.35	5.76	5.58	5.69	5.68	5.75	5.44	6.23	5.70	5.65	5.53	5.66
1953	4.91	5.42	5.54	5.76	6.00	5.97	5.60	5.55	6.15	6.11	5.73	5.35	5.67
1954	5.23	5.17	5.33	5.62	5.85	5.64	5.12						
1963					5.58	5.62	5.42	5.38	5.97	6.04	5.89	5.11	
1964	4.93	4.96	5.33	5.63	5.90	5.61	5.28	5.64	6.13	5.99	5.80	5.59	5.57
1965	5.31	5.54	5.08	5.75	6.14	6.01	5.47	5.77	6.47	6.29	6.17	6.09	5.84
1966	5.71	5.45	5.44	5.80	6.24	5.90	5.70	5.62	5.91	6.00	5.72	5.43	5.74
1967	5.34	5.34	5.52	6.04	6.11	6.29	5.76	5.92	6.48	6.29	5.99	5.81	5.91
1968	5.60	5.59	5.31	5.85	6.17	6.01	6.08	6.00	6.39	6.34	5.76	5.58	5.89
1969	5.60	5.95	5.70	5.89	6.09	6.00	5.59	5.96	6.22	6.54	5.67	5.44	5.89
1970	5.25	5.22	5.64	5.96	6.31	5.92	5.78	6.00	6.31	6.46	5.54	5.87	5.86
1971	5.74	5.61	5.53	5.91	5.90	5.61	5.48	5.73	6.84	6.60	6.50	6.25	5.98
1972	5.96	5.61	5.83	6.31	6.56	6.44	6.30	5.95	6.41	6.69	6.20	5.77	6.17
1973	5.85	5.79	6.27	6.42	6.13	6.34	5.78	6.20	6.66	6.99	6.60	5.82	6.24
1974	5.84	5.60	5.97	6.42	6.71	6.27	5.84	5.84	6.38	6.67	6.34	5.72	6.13
1975	5.84	6.02	6.21	6.58	6.65	6.43	6.14	6.16	6.86	6.40	6.46	6.10	6.32
1976	5.54	5.20	5.95	6.28	6.08	6.36	6.06	5.82	6.15	6.04	5.81	5.62	5.91
1977					6.53	6.08	5.84			6.23	5.98	5.76	
1978	5.57	5.50	5.41	5.91	6.27	6.21	5.79	5.86	6.53	6.55	6.30	5.87	5.98
1979	5.53	5.68					6.22	6.18	7.07	6.24	6.09		
1980				5.80	6.13	5.90	5.64	6.35	6.24	5.94	5.87	5.60	

RUN DATE 11/16/82

STATION NO. 8779770

PORT ISABEL,TX 26 03.6N 97 12.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1944				4.40	4.58	4.44	4.05	4.01	4.62	4.52	4.37	3.74	
1945	3.80	3.74	3.90	4.50	4.17	4.09	3.94	4.23	4.44	4.88	4.14	3.97	4.15
1946	3.89	3.88	3.86	3.83	4.28	4.33	3.83	4.24	4.80	5.08	4.88	4.43	4.28
1947	4.05	4.08	4.02	4.23	4.30	4.11	3.95	4.45	4.58	4.67	4.82	4.50	4.31
1948	4.05	3.98	4.52	4.47	4.43	4.12	4.27	4.37	5.04	4.93	4.55	4.12	4.40
1949	4.08	4.24	4.43	4.34	4.33	4.20	4.01	3.94	4.67	5.04	4.14	4.44	4.32
1950	4.39	4.26	4.34	4.46	4.11	3.98	3.90	4.25	4.56	4.67	4.02	3.89	4.24
1951	3.86	3.80	4.15	4.00	4.13	3.89	3.83	3.97	4.37	4.64	4.23	4.28	4.10
1952	4.21	4.05	4.38	4.10	4.19	4.05	4.11	4.01	4.74	4.37	4.27	4.17	4.22
1953	3.55	4.02	3.98	4.16	4.34	4.34	3.93	3.96	4.57	4.63	4.32	3.98	4.15
1954	3.85	3.90	3.99	4.12	4.33	3.97	3.71	3.97	4.67	4.65	4.22	3.68	4.09
1955	3.75	3.96	3.85	4.05	4.03	4.11	4.11	4.03	4.72	4.50	4.39	4.17	4.14
1956	3.93	3.83	4.03	4.20	4.17	4.11	3.63	3.84	4.61	4.42	4.21	3.65	4.05
1957	3.71	4.07	3.97	4.34	4.37	4.45	4.02	4.25	4.66	4.73	4.68	3.97	4.27
1958	4.13	3.93	4.23	4.14	4.21	4.10	4.02	3.92	4.71	5.33	4.85	4.30	4.32
1959	4.09	4.17	4.08	4.27	4.37	4.34	3.89	4.21	4.45	4.66	4.27	3.97	4.23
1960	4.17	4.06	4.02	4.05	4.12	4.09	4.02	4.29	4.67	4.52	4.48	4.38	4.24
1961	3.98	4.05	4.21	4.15	4.21	4.05	4.17	4.43	5.31	4.91	4.91	4.65	4.42
1962	3.87	4.03	4.45	4.23	4.13	4.20	3.91	4.20	4.59	4.45	4.33	4.12	4.21
1963	4.12	3.73	3.96	4.08	3.98	3.94	3.83	3.87	4.59	4.63	4.43	3.97	4.09
1964	3.59	3.73	3.96	4.06	4.32	4.02	3.80	4.12	4.65	4.68	4.43	4.23	4.13
1965	4.00	4.18	3.88	4.15	4.21	4.21	3.97	4.28	4.96	4.93	4.74	4.63	4.34
1966	4.43	4.09	4.03	4.24	4.60	4.16	4.06	4.02	4.46	4.63	4.19	3.99	4.24
1967	4.04	4.01	4.08	4.22	4.45	4.51	4.16	4.43	4.90	4.70	4.57	4.51	4.38
1968	4.23	4.27	3.93	4.25	4.26	4.09	4.17	4.26	4.70	4.75	4.32	4.16	4.28
1969	4.24	4.54	4.37	4.28	4.49	4.29	3.95	4.34	4.61	4.98	4.34	4.02	4.37
1970	4.05	3.94	4.24	4.29	4.63	4.27	4.17	4.40	4.64	4.95	4.18	4.41	4.35
1971	4.34	4.28	4.09	4.37	4.20	3.95	3.99	4.17	4.92	4.95	4.99	4.74	4.42
1972	4.49	4.20	4.36	4.63	4.85	4.77	4.65	4.36	4.86	5.22	5.04	4.51	4.66
1973	4.56	4.49	4.75	4.79	4.50	4.39	4.11	4.41	4.91	5.16	4.89	4.37	4.61
1974	4.37	4.20	4.43	4.71									4.55
1975													4.79
1976	4.22	3.86	4.41	4.54	4.52	4.62	4.36	4.31	4.59	4.68	4.56	4.53	4.43
1977	4.03	4.01	4.35	4.43	4.63	4.43	4.25	4.57	5.03	4.77	4.58	4.38	4.46
1978	4.37	4.23	4.04	4.35	4.60	4.49	4.14	4.24	4.78	5.13	4.89	4.55	4.48
1979	4.46	4.44	4.56	4.89	4.66	4.51	4.48	4.51	5.51	4.66	4.75	4.41	4.65

RUN DATE 11/16/82

STATION NO. 2695535

ST GEORGES,BERMUDA 32 22.2N 64 41.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1932											4.17	4.02	
1933	4.25	4.15	4.12	3.83	4.09	4.55	4.09	3.86	4.01	4.58	4.30	4.14	4.16
1934	4.11	4.05	3.78	3.99	4.23	3.88	4.30	4.81	4.57	4.12	4.16	4.44	4.20
1935	4.48	4.21	4.12	4.11	4.15	4.15	4.18	4.37	4.09	4.22	4.30	4.19	4.21
1936	4.07	3.93	3.88	3.87	3.83	3.95	4.35	4.23	4.17	4.52	4.53	4.25	4.13
1937	4.18	4.29	4.36	4.20	4.25								
1944	4.20	4.15	4.10	4.20	3.97	4.25	4.13	4.41	4.56	4.55	4.40	3.89	4.23
1945	3.86	4.08	3.62	3.65	4.04	4.22	4.19	4.31	4.76	5.32	4.57	3.93	4.21
1946	3.75	4.10	4.16	3.73	3.40	4.05	4.16	3.75	4.24	4.56	4.44	4.72	4.09
1947	4.35	4.38	4.20	3.87	3.99	4.43	4.26	4.64	4.59	4.52	4.72	4.52	4.37
1948	4.15	3.98	4.24	4.74	3.97	4.30	4.41	4.15	4.45	4.69	4.60	4.63	4.36
1949	4.37	4.06	4.34	4.19	4.10	4.35	4.58	4.69	4.68	4.56	4.22	3.92	4.34
1950	4.13	4.69	3.87	3.95	4.19	4.08	4.23	4.64	4.93	4.49	4.06	4.49	4.31
1951	4.37	4.12	4.20	4.47	4.54	4.34	4.10	4.33	4.52	4.12	4.23	4.46	4.32
1952	4.59	4.07	4.01	4.32	4.47	4.47	4.45	4.30	4.67	4.37	4.25	4.79	4.40
1953	4.20	3.95	4.17	4.30	4.25	4.28	4.44	4.64	4.42	4.67	5.11	4.65	4.42
1954	4.44	4.46	4.27	4.30	4.52	4.21	4.33	4.39	4.43	4.38	5.04	4.43	4.43
1955	4.35	4.50	4.65	4.41	4.43	4.61	4.50	4.93	5.21	5.40	4.97	4.48	4.70
1956	4.56	4.24	4.18	4.41	4.06	4.39	4.30	4.80	5.13	5.05	5.04	4.52	4.56
1957	4.02	4.38	4.41	4.03	4.06	4.30	4.57	4.79	4.95	5.37	5.43	4.54	4.57
1958	4.61	4.51	4.58	4.51	4.28	4.65	5.13	4.40	5.03	5.02	4.69	4.78	4.68
1959	4.19	4.37	4.62	4.10	4.50	4.89	4.92	4.80	3.85	4.36	4.70	4.17	4.46
1960	4.32	4.65	4.72	4.46	4.54	4.45	4.86	4.63	4.45	4.78	4.38	4.69	4.58
1961	4.59	4.60	4.09	4.07	4.57	4.61	4.76	4.89	4.93	4.96	5.46	4.85	4.70
1962	4.04	4.22	4.73	4.57	4.35	4.53	4.78	5.59	5.08	5.26	4.91	4.79	4.74
1963	4.34	4.39	4.33	4.08	4.14	4.68	4.52	4.50	4.87	4.86	4.69	4.35	4.48
1964	4.24	4.56	4.60	4.40	4.18	4.37	4.75	4.73	5.01	4.34	4.44	4.41	4.50
1965	4.29	4.24	4.33	4.42	4.69	4.78	4.57	4.08	4.61	4.63	4.14	4.19	4.41
1966	4.40	4.29	4.23	3.88	4.07	4.40	4.56	4.60	4.90	5.08	4.71	4.40	4.46
1967	4.27	4.28	4.40	4.35	4.29	4.20	4.30	5.01	4.84	4.69	5.41	4.85	4.57
1968	4.35	4.52	3.96	4.24	4.26	4.31	4.62	4.88	4.61	4.23	4.58	4.78	4.44
1969	4.20	4.09	3.99	4.04	4.16	4.34	4.37	4.44	4.39	4.60	4.26	4.34	4.27
1970	3.87	3.30	3.84	4.12	4.05	4.49	4.11	4.01	4.34	4.54	4.34	4.16	4.10
1971	4.08	3.92	4.32	4.21	4.37	4.13	3.66	4.15	4.73	4.36	4.78	4.41	4.26
1972	4.08	4.23	4.53	4.22	4.14	4.28	4.76	4.82	4.47	5.00	5.12	4.58	4.52
1973	3.91	4.07	4.08	4.23	4.38	4.38	4.27	4.30	4.28	4.72	4.29	3.93	4.24
1974	4.03	4.31	4.60	4.72	4.92	4.89	4.96	4.73	4.98	4.99	4.95	4.75	4.74
1975	4.55	4.73	4.73	4.74	4.40	5.04	5.18	4.99	4.42	4.58	4.57	4.71	4.72
1976	4.44	4.29	4.76	4.38	4.35	4.57	4.79	5.07	5.04	4.85	4.71	5.20	4.70
1977	5.19		4.15	4.40	4.46	4.31	4.80						
1978						4.37		4.62	4.48	5.16	3.94	3.95	
1979	4.76	4.73	4.63	4.40	4.27	4.50	4.90	4.71	4.93	4.68	4.63	4.90	4.67
1980	4.73	4.42	4.00	4.18	4.64	4.50	4.58	4.93	5.01	4.62	4.84	4.57	4.58

RUN DATE 11/16/82

STATION NO. 9410170

SAN DIEGO,CA 32 42.9N 117 10.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1906	6.11	6.22	6.03	5.90	5.81	6.01	6.33	6.37	6.38	6.33	6.10	6.16	6.15
1907	6.11	6.13	5.94	6.00	6.03	6.11	6.44	6.45	6.41	6.45	6.27	6.14	6.21
1908	6.24	5.94	5.96	5.97	5.87	6.03	6.24	6.35	6.38	6.26	6.01	6.06	6.11
1909	5.99	5.85	5.88	5.88	5.87	6.08	6.21	6.17	6.22	6.19	6.05	6.21	6.05
1910	5.96	5.85	5.94	5.87	5.82	6.09	6.28	6.23	6.37	6.24	6.17	6.16	6.08
1911	6.09	6.05	6.03	5.96	6.09	6.14	6.38	6.48	6.55	6.66	6.54	6.43	6.28
1912	6.33	6.02	6.10	5.92	5.97	6.15	6.21	6.28	6.24	6.37	6.19	6.07	6.15
1913	6.03	6.18	5.86	5.94	5.89	6.11	6.32	6.31	6.42	6.40	6.37	6.24	6.17
1914	6.24	6.23	6.26	5.95	5.95	6.15	6.23	6.37	6.50	6.51	6.59	6.70	6.31
1915	6.44	6.29	6.20	6.13	5.99	6.24	6.31	6.47	6.49	6.30	6.27	6.18	6.28
1916	6.25	5.95	6.02	6.03	5.99	5.97	6.19	6.25	6.20	6.06	5.97	6.00	6.07
1917	5.98	5.90	5.87	5.84	5.90	6.21	6.34	6.24	6.32	6.27	6.05	6.14	6.09
1918	6.09	5.98	6.05	6.08	6.21	6.47	6.42	6.58	6.63	6.68	6.57	6.29	6.34
1919	6.30	5.97	6.00	5.91	6.08	6.16	6.31	6.32	6.49	6.39	6.36	6.11	6.20
1920	6.23	6.15	6.01	5.91	6.10	6.20	6.31	6.49	6.41	6.38	6.18	6.17	6.21
1921	6.11	5.92	5.95	5.84	6.00	6.16	6.51	6.30	6.37	6.41	6.18	6.32	6.17
1922	6.13	6.13	5.84	5.86	6.07	6.16	6.38	6.37	6.43	6.30	6.16	6.24	6.17
1923	6.19	6.10	6.03	6.05	6.14	6.18	6.33	6.40	6.45	6.60	6.55	6.45	6.29
1924	6.26	6.13	6.04	6.01	6.02	6.16	6.26	6.24	6.34	6.19	6.09	6.11	6.15
1925	6.04	5.94	6.07	5.86	6.13	6.28	6.43	6.42	6.45	6.53	6.48	6.64	6.27
1926							6.28	6.36	6.32	6.34	6.27	6.28	6.31
1927	6.13	6.07	5.89	5.95	6.00	6.26	6.33	6.39	6.42	6.48	6.40	6.40	6.23
1928	6.25	6.22	5.94	5.94	6.08	6.21	6.34	6.44	6.44	6.37	6.23	6.17	6.22
1929	6.19	6.22	6.14	6.23	6.26	6.25	6.45	6.42	6.53	6.39	6.31	6.17	6.30
1930	6.26	6.16	6.13	6.09	6.05	6.26	6.40	6.57	6.50	6.56	6.58	6.50	6.34
1931	6.32	6.44	6.19	6.20	6.16	6.29	6.60	6.51	6.59	6.43	6.36	6.16	6.35
1932	6.18	6.36	6.09	6.17	6.27	6.18	6.41	6.58	6.60	6.47	6.36	6.29	6.33
1933	6.29	5.99	6.08	6.02	5.87	6.13	6.33	6.30	6.33	6.18	6.16	6.12	6.15
1934	6.10	5.97	6.14	6.12	6.22	6.19	6.37	6.39	6.63	6.35	6.35	6.41	6.27
1935	6.26	6.26	6.05	6.07	6.08	6.32	6.35	6.56	6.44	6.45	6.29	6.41	6.30
1936	6.15	6.19	6.08	5.88	6.10	6.18	6.43	6.59	6.64	6.51	6.50	6.38	6.30
1937	6.13	6.20	6.04	6.03	6.26	6.23	6.46	6.50	6.59	6.50	6.28	6.39	6.30
1938	6.34	6.17	6.06	6.05	6.11	6.24	6.33	6.51	6.59	6.36	6.32	6.38	6.29
1939	6.19	5.99	5.97	6.07	6.11	6.26	6.37	6.57	6.86	6.62	6.71	6.47	6.35
1940	6.37	6.31	6.13	6.06	6.16	6.26	6.36	6.53	6.66	6.59	6.55	6.77	6.40
1941	6.44	6.66	6.61	6.33	6.32	6.27	6.53	6.65	6.80	6.94	6.71	6.69	6.58
1942	6.41	6.40	6.35	6.42	6.27	6.54	6.55	6.50	6.55	6.55	6.40	6.26	6.43
1943	6.39	6.28	6.10	6.09	6.31	6.47	6.58	6.58	6.66	6.64	6.42	6.49	6.42
1944	6.28	6.37	6.36	6.07	6.16	6.20	6.35	6.57	6.61	6.36	6.38	6.35	6.34
1945	6.26	6.05	6.00	6.00	6.02	6.38	6.53	6.56	6.64	6.50	6.28	6.34	6.30
1946	6.25	6.19	6.18	6.15	6.15	6.32	6.49	6.45	6.71	6.55	6.54	6.46	6.37
1947	6.43	6.29	6.25	6.07	6.24	6.28	6.43	6.47	6.56	6.43	6.42	6.41	6.36
1948	6.48	6.31	6.16	6.14	6.20	6.35	6.55	6.56	6.65	6.45	6.44	6.41	6.39
1949	6.41	6.38	6.03	6.13	6.23	6.43	6.47	6.55	6.63	6.42	6.40	6.24	6.36
1950	6.13	6.10	6.01	6.14	6.17	6.30	6.63	6.45	6.53	6.55	6.38	6.43	6.32
1951	6.15	6.20	6.25	6.12	6.32	6.46	6.67	6.71	6.82	6.75	6.70	6.50	6.47

RUN DATE 11/16/82

STATION NO. 9410170

SAN DIEGO,CA 32 42.9N 117 10.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1952	6.41	6.27	6.22	6.27	6.14	6.30	6.41	6.58	6.71	6.52	6.64	6.48	6.41
1953	6.40	6.39	6.29	6.16	6.17	6.33	6.64	6.56	6.65	6.62	6.55	6.43	6.43
1954	6.43	6.37	6.26	6.12	6.41	6.52	6.70	6.64	6.70	6.45	6.46	6.39	6.45
1955	6.31	6.29	6.28	6.15	6.26	6.41	6.50	6.68	6.61	6.28	6.31	6.15	6.35
1956	6.17	6.21	6.14	6.23	6.25	6.47	6.53	6.63	6.59	6.47	6.44	6.42	6.38
1957	6.40	6.38	6.24	6.28	6.46	6.65	6.84	6.91	6.81	6.79	6.82	6.85	6.62
1958	6.72	6.54	6.50	6.45	6.42	6.47	6.65	6.86	7.01	6.97	6.78	6.67	6.67
1959	6.65	6.62	6.40	6.39	6.42	6.58	6.70	6.82	6.94	6.97	6.64	6.80	6.66
1960	6.46	6.21	6.28	6.25	6.32	6.41	6.62	6.62	6.74	6.61	6.55	6.54	6.47
1961	6.53	6.33	6.25	6.23	6.18	6.41	6.63	6.59	6.67	6.53	6.46	6.56	6.45
1962	6.48	6.41	6.15										6.49
1963	6.50	6.36	6.16	6.19	6.29	6.53	6.69	6.79	6.99	6.71	6.66	6.63	6.54
1964	6.50	6.28	6.21	6.10	6.06	6.22	6.42	6.64	6.62	6.52	6.38	6.41	6.36
1965	6.33	6.50	6.37	6.42	6.19	6.37	6.56	6.84	6.93	6.77	6.70	6.80	6.56
1966	6.65	6.35	6.26	6.37	6.43	6.55	6.64	6.78	6.69	6.65	6.50	6.50	6.53
1967	6.50	6.42	6.24	6.08	6.23	6.47	6.60	6.73	6.79	6.55	6.63	6.54	6.48
1968	6.51	6.49	6.23	6.30	6.26	6.37	6.56	6.62	6.76	6.70	6.63	6.52	6.50
1969	6.61	6.50	6.24	6.28	6.41	6.42	6.65	6.76	6.80	6.79	6.78	6.56	6.57
1970	6.21	6.33	6.36	6.11	6.24	6.37	6.59	6.70	6.66	6.63	6.53	6.36	6.42
1971	6.33	6.28	6.11	6.21	6.29	6.42	6.65	6.75	6.81	6.69	6.46	6.45	6.45
1972	6.43	6.37	6.41	6.30	6.41	6.72	6.77	6.98	6.94	6.96	6.92	6.96	6.68
1973	6.52	6.64	6.35	6.17	6.27	6.42	6.51	6.57	6.40	6.47	6.29	6.32	6.41
1974	6.40	6.29	6.31	6.34	6.48	6.66	6.74	6.73	6.86	6.68	6.52	6.44	6.54
1975	6.38	6.25	6.29	6.30	6.24	6.36	6.60	6.60	6.74	6.50	6 48	6.46	6.43
1976	6.42	6.44	6.36	6.34	6.50	6.65	6.79	6.65	6.99	6.87	6.89	6.86	6.65
1977	6.68	6.41	6.24	6.20	6.28	6.44	6.61	6.79	6.77	6.81	6.81	6.80	6.57
1978	6.81	6.70	6.56	6.36	6.44	6.46	6.60	6.71	6.84	6.86	6.73	6.65	6.64
1979	6.68	6.48	6.39	6.35	6.40	6.51	6.62	6.77	6.85	6.68	6.54	6.65	6.58
1980	6.75	6.87	6.59	6.44	6.42	6.56	6.63	6.88	6.85	6.71	6.62	6.62	6.66

RUN DATE 11/16/82

STATION NO. 9410230

LA JOLLA,CA 32 52.ON 117 15.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1924											6.44	6.49	
1925	6.40	6.29	6.38	6.19	6.46	6.64	6.78	6.83	6.84	6.87	6.69	6.97	6.61
1926	6.97	6.67	6.63	6.53	6.54	6.69	6.78	6.85	6.74	6.69	6.61	6.67	6.70
1927	6.49	6.42	6.31	6.32	6.31	6.60	6.69	6.78	6.87	6.88	6.83	6.81	6.61
1928	6.67	6.69	6.37	6.34	6.47	6.63	6.75	6.92	6.81	6.79	6.81	6.84	6.67
1929	6.82	6.59	6.51	6.60	6.63	6.62	6.86	6.84	6.94	6.80	6.71	6.59	6.71
1930	6.64	6.60	6.54	6.43	6.39	6.68	6.82	6.99	6.89	6.96	6.93	6.86	6.73
1931	6.73	6.86	6.58	6.61	6.52	6.63	6.96	6.92	6.96	6.80	6.73	6.53	6.74
1932	6.51	6.68	6.43	6.53	6.61	6.54	6.76	6.91	6.92	6.82	6.70	6.58	6.67
1933	6.62	6.33	6.43	6.37	6.24	6.49	6.67	6.69	6.75	6.57	6.56	6.43	6.51
1934	6.46	6.34	6.49	6.50	6.53	6.57	6.77	6.74	6.94	6.54	6.63	6.72	6.60
1935	6.49	6.57	6.34	6.39	6.39	6.69	6.74	6.87	6.74	6.74	6.55	6.65	6.60
1936	6.43	6.50	6.53	6.29	6.50	6.55	6.80	6.90	6.98	6.84	6.86	6.70	6.66
1937	6.52	6.60	6.40	6.37	6.59	6.63	6.91	6.95	6.97	6.85	6.68	6.78	6.69
1938	6.69	6.56	6.35	6.38	6.45	6.59	6.72	6.89	6.91	6.74	6.68	6.75	6.64
1939	6.60	6.34	6.32	6.47	6.53	6.68	6.79	6.95	7.18	7.06	7.15	6.89	6.75
1940	6.69	6.66	6.68	6.58	6.55	6.57	6.72	6.90	6.97	6.91	6.92	7.13	6.77
1941	6.79	6.97	6.93	6.57	6.62	6.62	6.85	6.94	7.14	7.21	7.08	7.02	6.90
1942	6.76	6.75	6.59	6.58	6.48	6.70	6.81	6.91	6.96	6.92	6.76	6.59	6.73
1943	6.72	6.51	6.36	6.36	6.58	6.72	6.78	6.89	6.93	6.85	6.88	6.99	6.71
1944	6.61	6.72	6.76	6.55	6.53	6.43	6.71	6.92	7.01	6.79	6.79	6.73	6.71
1945	6.70	6.49	6.38	6.28	6.45	6.80	6.98	7.06	7.09	6.96	6.72	6.78	6.72
1946	6.61	6.60	6.52	6.56	6.55	6.71	6.84	6.85	7.10	6.96	6.91	6.87	6.76
1947	6.78	6.66	6.68	6.46	6.64	6.64	6.78	6.84	6.93	6.83	6.78	6.79	6.73
1948	6.83	6.65	6.52	6.50	6.57	6.69	6.81	6.91	7.00	6.85	6.79	6.77	6.74
1949	6.73	6.70	6.35	6.45	6.58	6.79	6.78	6.92	7.00	6.81	6.74	6.55	6.70
1950	6.45	6.43	6.29	6.51	6.58	6.70	7.00	6.82	6.95	6.90	6.73	6.75	6.68
1951	6.41	6.49	6.58	6.50	6.67	6.86	7.05	7.11	7.19	7.13	7.04	6.86	6.82
1952	6.78	6.67	6.59	6.64	6.53	6.67	6.80	6.98	7.07	6.91	6.93	6.89	6.79
1953	6.72	6.74	6.65	6.47	6.49	6.64	6.96	6.92	6.96	6.91	6.82	6.65	6.74
1954													
1955									6.90	6.57	6.60	6.48	6.66
1956	6.51	6.51	6.44	6.55	6.54	6.67	6.85	6.98	6.89	6.78	6.79	6.72	6.69
1957	6.70	6.71	6.56	6.62	6.74	6.97	7.12	7.22	7.14	7.14	7.10	7.19	6.93
1958	7.06	6.90	6.83	6.73	6.70	6.76	6.93	7.25	7.36	7.27	7.12	7.07	7.00
1959	7.04	6.96	6.75	6.67	6.73	6.92	7.10	7.21	7.25	7.26	7.05	7.19	7.01
1960	6.82	6.57	6.64	6.61	6.71	6.67	6.79	6.86	6.96	6.94	6.86	6.79	6.77
1961	6.82	6.54	6.44	6.51	6.39	6.60	6.85	7.07	7.01	6.83	6.82	6.88	6.73
1962	6.78	6.65	6.38	6.53	6.59	6.61	6.67	6.89	6.99	6.94	6.71	6.74	6.71
1963	6.88	6.71	6.52	6.57	6.67	6.90	7.08	7.16	7.23	7.05	6.98	7.05	6.90
1964	6.85	6.60	6.49	6.48	6.45	6.56	6.76	7.01	6.97	6.86	6.71	6.70	6.70
1965	6.72	6.88	6.78	6.80	6.54	6.76	6.88	7.18	7.24	7.11	7.00	7.10	6.92
1966	6.96	6.69	6.65	6.82	6.86	6.95	7.08	7.32	7.20	7.11	6.88	6.88	6.95
1967	6.98	6.73	6.68	6.67	6.92	7.11	7.23	7.42	7.31	7.01	7.09	6.97	7.01
1968	6.96	6.90	6.56	6.61	6.72	6.79	6.94	7.06	7.10	7.07	7.01	6.91	6.89
1969	7.04	6.87	6.68	6.70	6.75	6.82	6.98	7.14	7.20	7.24	7.21	7.04	6.97

RUN DATE 11/16/82

STATION NO. 9410230

LA JOLLA,CA 32 52.0N 117 15.4W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1970	6.72	6.81	6.87	6.61	6.72	6.83	6.98	7.06	7.07	7.05	6.95	6.76	6.87
1971	6.69	6.65	6.46	6.55	6.66	6.86	7.06	7.11	6.98	6.84	6.75	6.75	6.78
1972	6.78	6.72	6.80	6.71	6.74	7.03	7.07	7.25	7.24	7.28	7.25	7.32	7.02
1973	6.85	6.95	6.69	6.51	6.67	6.78	6.92	7.00	6.81	6.82	6.65	6.70	6.78
1974	6.73	6.62	6.65	6.66	6.81	6.96	7.07	7.05	7.19	6.93	6.86	6.82	6.86
1975	6.70	6.59	6.65	6.62	6.58	6.75	6.96	6.94	7.07	6.85	6.80	6.68	6.77
1976	6.74	6.76	6.65	6.65	6.84	6.98	7.16	7.00	7.30	7.18	7.23	7.20	6.97
1977	7.01	6.74	6.55	6.50	6.62	6.77	6.97	7.12	7.11	7.12	7.12	7.10	6.89
1978	7.05						6.94	7.04	7.19	7.20	7.10	7.05	
1979				6.71	6.72	6.86	7.02	7.19	7.25	7.04	6.93	7.04	
1980	7.06	7.12	6.86	6.75	6.79	6.92	6.92	7.18	7.16	7.04	6.94	7.01	6.98

RUN DATE 11/16/82

STATION NO. 9410660
LOS ANGELES(BERTH 60), CA 33 43.2N 118 16.3W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1923												6.63	
1924	6.41	6.40	6.36	6.14	6.26	6.30	6.34	6.44	6.40	6.48	6.33	6.41	6.36
1925	6.31	6.06	6.33	6.08	6.30	6.48	6.59	6.59	6.59	6.82	6.64	6.78	6.46
1926	6.71	6.46	6.42	6.32	6.24	6.29	6.52	6.62	6.52	6.56	6.44	6.44	6.46
1927	6.28	6.28	6.06	6.14	6.21	6.44	6.49	6.53	6.59	6.61	6.55	6.56	6.40
1928	6.41	6.38	6.10	6.14	6.29	6.45	6.56	6.67	6.62	6.54	6.49	6.42	6.42
1929	6.44	6.20	6.08	6.19	6.32	6.46	6.74	6.75	6.82	6.67	6.58	6.41	6.47
1930	6.53	6.46	6.38	6.36	6.28	6.52	6.62	6.83	6.83	6.80	6.80	6.71	6.59
1931	6.51	6.67	6.36	6.39	6.36	6.44	6.78	6.72	6.70	6.60	6.51	6.33	6.53
1932	6.31	6.48	6.21	6.33	6.41	6.34	6.56	6.75	6.71	6.60	6.44	6.30	6.45
1933	6.33	6.11	6.17	6.16	6.02	6.23	6.45	6.48	6.49	6.29	6.31	6.24	6.27
1934	6.28	6.15	6.31	6.30	6.36	6.38	6.59	6.55	6.75	6.52	6.39	6.44	6.42
1935	6.30	6.33	6.18	6.17	6.18	6.44	6.46	6.69	6.60	6.57	6.42	6.51	6.40
1936	6.23	6.38	6.32	6.19	6.40	6.45	6.66	6.80	6.80	6.73	6.72	6.56	6.52
1937	6.36	6.46	6.27	6.22	6.48	6.44	6.73	6.71	6.75	6.67	6.54	6.62	6.52
1938	6.53	6.39	6.25	6.23	6.34	6.43	6.62	6.76	6.74	6.54	6.47	6.59	6.49
1939	6.41	6.19	6.20	6.26	6.29	6.43	6.54	6.73	7.00	6.84	6.90	6.65	6.54
1940	6.55	6.49	6.32	6.25	6.37	6.41	6.56	6.72	6.87	6.76	6.72	6.93	6.58
1941	6.67	6.91	6.81	6.46	6.48	6.41	6.66	6.76	6.95	7.04	6.81	6.81	6.73
1942	6.57	6.54	6.42	6.50	6.38	6.60	6.70	6.71	6.80	6.77	6.62	6.54	6.60
1943	6.68	6.49	6.32	6.30	6.51	6.68	6.75	6.77	6.81	6.77	6.59	6.66	6.61
1944	6.50	6.57	6.56	6.27	6.35	6.47	6.60	6.73	6.81	6.61	6.59	6.51	6.55
1945	6.48	6.32	6.16	6.22	6.20	6.52	6.68	6.81	6.83	6.65	6.44	6.52	6.49
1946	6.38	6.39	6.32	6.32	6.32	6.50	6.64	6.67	6.93	6.74	6.73	6.69	6.55
1947	6.57	6.45	6.42	6.22	6.44	6.51	6.60	6.58	6.65	6.54	6.48	6.61	6.51
1948	6.60	6.40	6.28	6.26	6.36	6.46	6.63	6.61	6.73	6.49	6.50	6.46	6.48
1949	6.45	6.43	6.14	6.22	6.30	6.53	6.51	6.61	6.67	6.51	6.50	6.38	6.44
1950	6.25	6.24	6.15	6.26	6.27	6.41	6.70	6.56	6.62	6.60	6.47	6.54	6.42
1951	6.25	6.30	6.41	6.23	6.44	6.61	6.80	6.79	6.90	6.86	6.81	6.61	6.58
1952	6.60	6.39	6.32	6.38	6.27	6.38	6.50	6.66	6.76	6.63	6.71	6.58	6.52
1953	6.56	6.43	6.32	6.20	6.18	6.35	6.59	6.57	6.70	6.72	6.58	6.51	6.48
1954	6.55	6.45	6.34	6.25	6.48	6.64	6.79	6.72	6.71	6.57	6.58	6.50	6.55
1955	6.44	6.34	6.39	6.23	6.32	6.48	6.55	6.69	6.68	6.40	6.42	6.26	6.43
1956	6.30	6.31	6.23	6.32	6.37	6.60	6.65	6.71	6.65	6.56	6.59	6.50	6.48
1957	6.46	6.48	6.29	6.30	6.48	6.70	6.86	6.93	6.77	6.83	6.82	6.88	6.65
1958	6.75	6.64	6.59	6.50	6.48	6.52	6.71	6.90	7.00	7.04	6.82	6.77	6.73
1959	6.79	6.79	6.59	6.40	6.45	6.62	6.72	6.84	6.93	7.00	6.66	6.82	6.72
1960	6.53	6.26	6.34	6.27	6.38	6.47	6.63	6.65	6.77	6.67	6.56	6.57	6.51
1961	6.60	6.41	6.28	6.13	6.22	6.41	6.62	6.65	6.71	6.54	6.47	6.50	6.46
1962	6.50	6.53	6.13	6.24	6.37	6.39	6.52	6.66	6.80	6.71	6.43	6.51	6.48
1963	6.45	6.48	6.17	6.14	6.24	6.52	6.64	6.73	6.90	6.65	6.60	6.61	6.51
1964	6.54	6.31	6.18	6.17	6.11	6.37	6.49	6.74	6.71	6.60	6.44	6.49	6.43
1965	6.40	6.57	6.38	6.40	6.26	6.53	6.62	6.87	6.93	6.78	6.76	6.88	6.62
1966	6.68	6.51	6.42	6.43	6.43	6.54	6.66	6.82	6.63	6.61	6.52	6.50	6.56
1967	6.52	6.43	6.25	6.17	6.29	6.57	6.70	6.79	6.77	6.59	6.72	6.56	6.53
1968	6.58	6.54	6.29	6.35	6.33	6.34	6.56	6.66	6.76	6.68	6.61	6.49	6.52

RUN DATE 11/16/82

STATION NO. 9410660
LOS ANGELES(BERTH 60), CA 33 43.2N 118 16.3W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1969	6.72	6.56	6.26	6.37	6.46	6.44	6.61	6.77	6.81	6.85	6.76	6.57	6.60
1970	6.31	6.40	6.44	6.18	6.33	6.41	6.47	6.58	6.66	6.60	6.49	6.35	6.44
1971	6.30	6.26	5.96	6.20	6.44	6.53	6.82	6.78	6.82	6.70	6.46	6.40	6.47
1972	6.47	6.44	6.44	6.29	6.32	6.57	6.61	6.93	6.89	6.91	6.84	6.93	6.64
1973	6.63	6.65	6.41	6.17	6.28	6.38	6.57	6.66	6.64	6.61	6.45	6.47	6.49
1974	6.48	6.30	6.40	6.36	6.45	6.56	6.63	6.56	6.69	6.50	6.41	6.41	6.48
1975	6.41	6.33	6.31	6.31	6.24	6.39	6.56	6.56	6.70	6.57	6.41	6.32	6.43
1976	6.37	6.45	6.33	6.28	6.42	6.61	6.77	6.65	6.94	6.80	6.86	6.83	6.61
1977	6.67	6.48	6.29	6.20	6.29	6.43	6.60	6.80	6.76	6.79	6.75	6.75	6.57
1978	6.79	6.70	6.64	6.30	6.44	6.37	6.61	6.83	6.89	6.89	6.80	6.69	6.66
1979	6.48							6.71	6.64	6.67	6.55	6.62	
1980	6.65	6.82	6.50	6.38	6.37	6.56	6.61	6.71	6.73	6.74	6.67	6.59	6.61

RUN DATE 11/16/82

STATION NO. 9414290

SAN FRANCISCO,CA 37 48.4N 122 27.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1854							8.54	8.64	8.71	8.68	8.68	8.79	
1855	8.87	8.95	9.03	9.03	8.75	8.43	8.46	8.79	8.68	8.71	8.38	8.17	8.69
1856	8.63	8.29	8.25	8.44	8.40	8.11	8.44	8.45	8.52	8.35	8.34	8.32	8.38
1857	8.52	8.62	8.65	8.39	8.35	8.44	8.18	8.39	8.48	8.46	8.25	8.36	8.42
1858	8.35	8.26	7.93	7.96	8.18	8.44	8.47	8.50	8.44	8.51	8.49	8.62	8.35
1859	8.65	8.83	8.26	8.26	8.40	8.47	8.40	8.32	8.33	8.47	8.23	8.36	8.42
1860	8.27	8.23	8.13	8.09	7.99	8.33	8.31	8.32	8.34	8.15	8.18	8.43	8.23
1861	8.08	8.09	8.15	7.98	8.00	8.07	8.28	8.22	8.19	8.14	8.12	8.27	8.13
1862	9.08	8.57	8.26	8.27	8.44	8.30	8.55	8.63	8.55	8.40	8.34	8.37	8.48
1863	8.18	8.17	8.04	8.12	8.16	8.24	8.33	8.34	8.36	8.35	8 34	8.17	8.23
1864	8.11	8.24	8.13	8.09	8.61	8.37	8.62	8.57	8.62	8.66	8.55	8.58	8.43
1865	8.59	8.54	7.85	7.90	8.20	8.09	8.28	8.38	8.40	8.37	8.32	7.98	8.24
1866	8.44	8.58	8.62	8.37	8.42	8.34	8.61	8.65	8.77	8.56	8.40	8.73	8.54
1867	8.66	8.33	8.66	8.37	8.51	8.42	8.68	8.66	8.56	8.43	8.45	8.83	8.55
1868	8.99	8.87	8.60	8.39	8.58	8.47	8.77	8.82	8.87	8.69	8.74	8.71	8.71
1869	8.70	8.81	8.52	8.32	8.40	8.53	8.65	8.80	8.70	8.73	8.36	8.44	8.58
1870	8.46	8.53	8.18	8.12	8.31	8.36	8.68	8.79	8.69	8.64	8.37	8.42	8.46
1871	8.39	8.48	8.12	8.20	8.25	8.39	8.60	8.51	8.50	8.26	8.37	8.65	8.39
1872	8.82	8.73	8.43	8.13	8.46	8.58	8.64	8.68	8.66	8.50	8.40	8.52	8.55
1873	8.44	8.47	8.31	8.12	8.23	8.35	8.62	8.64	8.37	8.46	8.41	8.67	8.42
1874	8.71	8.62	8.50	8.34	8.54	8.54	8.67	8.58	8.62	8.63	8.59	8.48	8.57
1875	8.60	8.49	8.05	8.20	8.35	8.56	8.75	8.70	8.70	8.61	8.58	8.56	8.51
1876	8.76	8.76	8.66	8.36	8.46	8.70	8.79	8.86	8.88	8.75	8.70	8.79	8.71
1877	8.73	8.72	8.69	8.40	8.45	8.69	8.82	8.85	8.85	8.68	8.78	9.11	8.73
1878	9.09	8.94	8.68	8.50	8.32	8.50	8.38	8.51	8.46	8.44	8.33	8.41	8.55
1879	8.42	8.47	8.51	8.52	8.38	8.60	8.64	8.76	8.63	8.56	8.46	8.49	8.54
1880	8.42	8.43	8.40	8.65	8.62	8.61	8.85	8.76	8.68	8.73	8.53	8.84	8.63
1881	8.91	8.87	8.55	8.71	8.75	8.69	8.82	8.75	8.74	8.59	8.35	8.42	8.68
1882	8.36	8.28	8.50	8.41	8.51	8.78	8.77	8.74	8.72	8.56	8.51	8.45	8.55
1883	8.26	8.31	8.62	8.27	8.65	8.75	8.82	8.75	8.83	8.78	8.51	8.68	8.60
1884	8.72	8.97	9.15	8.90	8.86	8.82	8.86	8.80	8.82	8.86	8.80	9.13	8.89
1885	8.85	8.57	8.70	8.65	8.49	8.49	8.66	8.78	8.82	8.82	9.08	8.99	8.74
1886	9.10	8.98	8.62	8.68	8.55	8.53	8.52	8.61	8.59	8.44	8.36	8.41	8.62
1887	8.29	8.55	8.36	8.39	8.48	8.67	8.66	8.66	8.70	8.59	8.45	8.42	8.52
1888	8.28	8.43	8.40	8.36	8.27	8.65	8.71	8.71	8.78	8.67	8.79	8.87	8.58
1889	8.80	8.56	8.84	8.57	8.52	8.69	8.67	8.70	8.77	8.80	8.74	9.06	8.73
1890	8.75	8.76	8.76	8.55	8.86	8.72	8.84	8.83	8.95	8.77	8.73	8.67	8.77
1891	8.52	8.84	8.44	8.32	8.61	8.50	8.74	8.74	8.73	8.53	8.48	8.23	8.56
1892	8.39	8.59	8.44	8.08	8.39	8.44	8.53	8.60	8.40	8.43	8.38	8.69	8.45
1893	8.64	8.55	8.64	8.37	8.52	8.42	8.58	8.68	8.67	8.51	8.48	8.48	8.54
1894	8.46	8.44	8.31	8.34	8.64	8.52	8.56	8.52	8.65	8.50	8.45	8.78	8.51
1895	9.14	8.83	8.52	8.43	8.60	8.69	8.87	8.82	8.68	8.73	8.72	8.46	8.71
1896	8.83	8.57	8.56	8.49	8.49	8.72	8.83	8.75	8.85	8.74	8.64	8.84	8.69
1897	8.96	8.70	8.57	8.31	8.51	8.55	8.64	8.60	8.54	8.46	8.29	8.19	8.53
1898	8.24	8.30	8.11	8.09	8.20	8.34	8.37	8.54	8.48	8.31	8.29	8.28	8.30
1899	8.37	8.09	8.22	8.28	8.21	8.47	8.59	8.48	8.55	8.66	8.73	8.67	8.44

RUN DATE 11/16/82

STATION NO. 9414290

SAN FRANCISCO,CA 37 48.4N 122 27.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1900	8.70	8.46	8.53	8.24	8.31	8.47	8.56	8.58	8.56	8.57	8.52	8.51	8.50
1901	8.74	8.76	8.44	8.07	8.31	8.31	8.44	8.56	8.58	8.48	8.50	8.35	8.46
1902	8.38	8.59	8.44	8.26	8.29	8.45	8.67	8.71	8.80	8.81	8.72	8.70	8.57
1903	8.68	8.51	8.71	8.37	8.32	8.36	8.45	8.69	8.67	8.60	8.48	8.49	8.53
1904	8.27	8.52	8.74	8.51	8.53	8.57	8.66	8.70	8.95	8.77	8.72	8.59	8.63
1905	8.75	9.05	8.84	8.60	8.47	8.39	8.61	8.63	8.64	8.60	8.74	8.46	8.65
1906	8.66	8.84	8.89	8.51	8.41	8.45	8.64	8.77	8.60	8.41	8.26	8.55	8.58
1907	8.76	8.68	8.94	8.63	8.49	8.59	8.71	8.79	8.69	8.72	8.43	8.48	8.66
1908	8.67	8.48	8.34	8.31	8.12	8.29	8.57	8.58	8.61	8.43	8.39	8.37	8.43
1909	8.95	8.79	8.44	8.30	8.32	8.42	8.48	8.53	8.63	8.52	8.26	8.69	8.53
1910	8.45	8.27	8.50	8.29	8.22	8.33	8.54	8.54	8.57	8.50	8.40	8.39	8.42
1911	8.63	8.70	8.76	8.45	8.36	8.54	8.64	8.54	8.69	8.83	8.57	8.63	8.61
1912	8.71	8.27	8.64	8.31	8.39	8.56	8.60	8.52	8.57	8.57	8.51	8.28	8.49
1913	8.43	8.54	8.24	8.30	8.33	8.49	8.58	8.70	8.77	8.54	8.63	8.55	8.51
1914	9.04	8.85	8.76	8.62	8.65	8.58	8.70	8.85	8.83	8.90	8.79	9.16	8.81
1915	8.93	9.21	8.71	8.66	8.59	8.43	8.63	8.65	8.81	8.59	8.51	8.55	8.69
1916	9.02	8.71	8.57	8.37	8.26	8.32	8.56	8.54	8.57	8.56	8.33	8.47	8.52
1917	8.47	8.58	8.24	8.27	8.29	8.36	8.65	8.55	8.64	8.65	8.52	8.54	8.48
1918	8.39	8.47	8.65	8.50	8.51	8.76	8.72	8.85	8.99	8.90	8.92	8.74	8.70
1919	8.64	8.65	8.55	8.44	8.58	8.51	8.66	8.66	8.83	8.73	8.50	8.59	8.61
1920	8.61	8.57	8.42	8.23	8.41	8.53	8.48	8.70	8.61	8.61	8.59	8.69	8.54
1921	8.77	8.43	8.53	8.21	8.46	8.53	8.81	8.62	8.72	8.73	8.46	8.66	8.58
1922	8.39	8.74	8.31	8.09	8.39	8.69	8.75	8.63	8.71	8.68	8.48	8.71	8.55
1923	8.49	8.49	8.18	8.52	8.33	8.44	8.54	8.56	8.74	8.71	8.78	8.47	8.52
1924	8.50	8.42	8.34	8.31	8.27	8.46	8.55	8.47	8.60	8.48	8.30	8.38	8.42
1925	8.27	8.64	8.62	8.45	8.65	8.62	8.67	8.67	8.70	8.77	8.63	8.79	8.62
1926	8.82	8.85	8.75	8.66	8.36	8.54	8.55	8.62	8.54	8.60	8.79	8.53	8.63
1927	8.60	8.86	8.32	8.42	8.27	8.58	8.53	8.66	8.67	8.73	8.78	8.80	8.60
1928	8.57	8.68	8.55	8.47	8.42	8.53	8.63	8.74	8.63	8.59	8.51	8.63	8.58
1929	8.69	8.45	8.27	8.34	8.36	8.55	8.73	8.64	8.82	8.63	8.57	8.51	8.55
1930	8.80	8.71	8.77	8.53	8.47	8.59	8.70	8.78	8.91	8.85	8.82	8.75	8.72
1931	8.74	8.83	8.39	8.47	8.59	8.59	8.72	8.70	8.70	8.60	8.52	8.65	8.62
1932	8.57	8.74	8.42	8.54	8.67	8.64	8.76	8.88	9.03	8.73	8.56	8.56	8.68
1933	8.57	8.28	8.44	8.43	8.27	8.52	8.73	8.71	8.68	8.53	8.46	8.64	8.52
1934	8.54	8.71	8.59	8.46	8.55	8.61	8.65	8.70	8.85	8.63	8.68	8.64	8.63
1935	8.83	8.66	8.63	8.69	8.63	8.68	8.74	8.88	8.77	8.76	8.56	8.77	8.72
1936	8.60	8.99	8.62	8.40	8.61	8.62	8.73	8.85	8.89	8.84	8.72	8.74	8.72
1937	8.56	8.83	8.78	8.37	8.61	8.65	8.86	8.80	8.80	8.75	8.74	9.01	8.73
1938	8.80	9.14	8.89	8.56	8.62	8.81	8.83	8.76	8.73	8.70	8.51	8.67	8.75
1939	8.57	8.21	8.26	8.33	8.41	8.48	8.59	8.80	9.02	8.82	8.94	8.76	8.60
1940	9.05	9.03	8.90	8.61	8.58	8.71	8.72	8.83	8.96	8.82	8.80	9.39	8.87
1941	9.40	9.61	9.44	8.92	8.76	8.63	8.93	8.84	9.03	8.98	9.03	9.26	9.07
1942	9.06	9.17	8.63	8.87	8.52	8.56	8.77	8.76	8.85	8.74	8.65	8.56	8.76
1943	8.90	8.80	8.78	8.57	8.57	8.73	8.79	8.76	8.92	8.85	8.76	8.84	8.77
1944	8.68	8.77	8.62	8.42	8.62	8.67	8.85	8.72	8.89	8.74	8.82	8.80	8.72

RUN DATE 11/16/82

STATION NO. 9414290

SAN FRANCISCO,CA 37 48.4N 122 27.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1945	8.70	8.64	8.46	8.29	8.45	8.71	8.86	8.81	8.95	8.91	8.73	9.00	8.71
1946	8.64	8.66	8.45	8.47	8.60	8.53	8.74	8.73	8.89	8.77	8.84	8.84	8.68
1947	8.66	8.79	8.80	8.42	8.66	8.72	8.60	8.73	8.77	8.77	8.58	8.65	8.68
1948	8.82	8.58	8.57	8.74	8.57	8.80	8.86	8.83	8.86	8.71	8.64	8.74	8.73
1949	8.65	8.81	8.80	8.52	8.66	8.87	8.77	8.79	8.95	8.68	8.70	8.55	8.73
1950	8.61	8.59	8.39	8.48	8.58	8.74	8.93	8.78	8.87	8.87	8.85	9.10	8.73
1951	8.74	8.87	8.64	8.64	8.77	8.91	8.95	9.03	9.07	8.99	9.11	9.07	8.90
1952	9.28	8.92	8.79	8.77	8.63	8.79	8.88	8.90	8.94	8.84	9.02	9.13	8.91
1953	9.00	8.56	8.64	8.48	8.54	8.60	8.84	8.77	8.99	8.79	8.89	8.60	8.72
1954	8.94	8.85	8.88	8.67	8.71	8.67	8.76	8.83	8.76	8.69	8.74	8.81	8.78
1955	8.72	8.58	8.59	8.47	8.59	8.70	8.69	8.86	8.82	8.61	8.58	8.94	8.68
1956	9.13	8.81	8.47	8.65	8.77	8.75	8.87	8.83	8.81	8.74	8.63	8.57	8.75
1957	8.80	8.91	8.70	8.70	8.93	8.86	9.03	8.97	9.15	9.13	9.01	9.09	8.94
1958	9.09	9.53	9.19	8.98	8.86	8.93	8.97	9.14	9.17	9.18	8.90	9.12	9.09
1959	9.12	9.20	8.63	8.78	8.61	8.67	9.00	9.05	9.07	9.09	8.88	8.95	8.92
1960	8.95	8.79	8.65	8.41	8.41	8.80	8.82	8.81	8.93	8.77	8.82	8.84	8.75
1961	8.90	8.73	8.67	8.60	8.45	8.82	8.92	8.93	8.99	8.77	8.84	8.85	8.79
1962	8.80	9.13	8.71	8.36	8.61	8.79	8.93	8.98	9.06	9.18	8.85	8.98	8.86
1963	8.92	9.16	8.65	8.86	8.79	8.91	8.96	8.93	9.08	8.97	9.06	9.05	8.94
1964	8.91	8.64	8.50	8.42	8.57	8.68	8.67	8.99	9.05	8.92	8.91	9.02	8.77
1965	9.10	8.91	8.92	8.93	8.53	8.81	8.85	9.02	9.13	9.01	9.32	9.36	8.99
1966	9.10	8.90	8.66	8.85	8.82	8.83	8.91	9.05	8.96	8.95	9.10	9.00	8.93
1967	9.04	8.89	8.96	8.87	8.79	8.97	8.99	9.04	9.09	8.88	9.13	8.86	8.96
1968	8.98	9.14	8.90	8.59	8.66	8.86	8.93	9.00	9.07	8.93	8.89	8.99	8.91
1969	9.48	9.60	8.95	8.80	8.76	8.85	8.97	9.03	9.12	9.07	9.14	9.19	9.08
1970	9.29	9.14	8.99	8.44	8.65	8.74	8.89	8.90	8.97	8.98	9.09	9.19	8.94
1971	8.86	8.56	8.41	8.51	8.65	8.71	8.85	9.01	9.10	8.91	8.85	8.86	8.77
1972	8.84	8.90	8.73	8.66	8.77	8.97	9.00	9.17	9.16	9.37	9.35	9.38	9.02
1973	9.34	9.52	8.85	8.45	8.67	8.84	8.83	8.94	8.80	8.86	8.80	8.93	8.90
1974	9.14	8.77	9.10	8.86	8.71	8.92	8.91	8.98	9.13	9.03	8.96	8.86	8.95
1975	8.73	8.93	8.92	8.81	8.59	8.80	8.87	8.93	8.98	8.84	8.66	8.64	8.81
1976	8.77	8.90	8.58	8.67	8.69	8.75	9.19	9.16	9.21	9.10	9.07	9.14	8.94
1977	9.01	8.68	8.36	8.35	8.50	8.72	8.77	8.97	9.09	8.95	8.88	9.05	8.78
1978	9.47	9.24	9.27	9.03	8.80	8.61	8.84	9.00	8.99	9.05	8.98	8.80	9.01
1979	9.19	9.03	8.98	8.64	8.77	8.74	8.85	8.94	9.02	9.02	8.86	9.05	8.92
1980	9.36	9.56	9.08	8.72	8.78	8.85	8.91	9.14	9.10	8.98	8.80	9.01	9.02
1981	9.14	8.91	8.89	8.68	8.75	8.73	8.98	8.91	8.93	8.99	9.12	9.07	8.92

RUN DATE 11/16/82

STATION NO. 9414750

ALAMEDA,CA 37 46.3N 122 17.9W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1939				6.24	6.34	6.43	6.57	6.64	6.84	6.65	6.68	6.59	6.55
1940	6.92	6.96	6.86	6.61	6.58	6.64	6.64	6.69	6.84	6.71	6.67	7.26	6.78
1941	7.25	7.56	7.36	6.88	6.75	6.59	6.87	6.74	6.92	6.86	6.86	7.06	6.98
1942	6.92	7.08	6.56	6.79	6.47	6.52	6.67	6.64	6.71	6.60	6.47	6.41	6.65
1943	6.82	6.78	6.73	6.51	6.49	6.66	6.69	6.63	6.77	6.67	6.51	6.65	6.66
1944	6.49	6.64	6.53	6.24	6.44	6.53	6.65	6.56	6.67	6.52	6.59	6.60	6.54
1945	6.51	6.51	6.33	6.15	6.39	6.64	6.73	6.64	6.75	6.71	6.56	6.80	6.56
1946	6.56	6.56	6.33	6.37	6.60	6.43	6.59	6.60	6.74	6.65	6.69	6.73	6.57
1947	6.51	6.63	6.65	6.30	6.51	6.61	6.47	6.59	6.64	6.64	6.47	6.53	6.55
1948	6.69	6.47	6.43	6.64	6.50	6.69	6.76	6.71	6.68	6.58	6.41	6.57	6.59
1949	6.53	6.64	6.66	6.40	6.52	6.71	6.67	6.64	6.73	6.50	6.55	6.42	6.58
1950	6.44	6.47	6.27	6.39	6.51	6.61	6.87	6.67	6.74	6.75	6.75	6.97	6.62
1951	6.54	6.75	6.52	6.49	6.62	6.80	6.79	6.86	6.92	6.79	6.87	6.87	6.74
1952	7.09	6.82	6.67	6.64	6.52	6.73	6.78	6.76	6.79	6.63	6.80	6.92	6.76
1953	6.88	6.45	6.48	6.35	6.43	6.48	6.73	6.63	6.85	6.61	6.70	6.43	6.58
1954	6.76	6.75	6.80	6.59	6.61	6.56	6.62	6.65	6.61	6.54	6.53	6.61	6.64
1955	6.53	6.44	6.40	6.24	6.35	6.51	6.46	6.65	6.61	6.36	6.36	6.76	6.47
1956	6.97	6.68	6.36	6.52	6.62	6.63	6.71	6.65	6.65	6.58	6.42	6.41	6.60
1957	6.55	6.66	6.52	6.46	6.70	6.70	6.85	6.78	6.93	6.96	6.76	6.78	6.72
1958	6.91	7.36	7.08	6.87	6.76	6.78	6.79	6.99	7.02	6.89	6.60	6.78	6.90
1959	6.78	6.91	6.47	6.50	6.34	6.49	6.70	6.75	6.80	6.84	6.66	6.75	6.67
1960	6.76	6.55	6.55	6.25	6.26	6.68	6.65	6.75	6.84	6.60	6.61	6.66	6.60
1961	6.72	6.57	6.51	6.42	6.22	6.56	6.61	6.70	6.74	6.54	6.55	6.56	6.56
1962	6.65	6.91	6.54	6.34	6.47	6.50	6.68	6.63	6.74	6.95	6.58	6.73	6.64
1963	6.65	6.87	6.51	6.65	6.63	6.79	6.77	6.79	6.89	6.81	6.81	6.66	6.74
1964	6.84	6.57	6.35	6.27	6.39	6.50	6.50	6.70	6.69	6.74	6.68	6.91	6.60
1965	7.02	6.76	6.73	6.86	6.34	6.66	6.70	6.89	6.98	6.86	6.93	7.06	6.82
1966	6.89	6.65	6.40	6.64	6.54	6.57	6.55	6.70	6.62	6.61	6.80	6.76	6.64
1967	6.85	6.73	6.76	6.66	6.60	6.89	6.85	6.92	6.93	6.67	6.91	6.66	6.79
1968	6.81	6.92	6.61	6.40	6.46	6.49	6.68	6.77	6.81	6.78	6.64	6.73	6.68
1969	7.24	7.40	6.74	6.65	6.68	6.79	6.83	6.88	7.02	6.91	6.90	6.97	6.92
1970	7.05	6.97	6.78	6.18	6.36	6.51	6.66	6.67	6.71	6.72	6.76	6.82	6.68
1971	6.58	6.33	6.21	6.33	6.41	6.54	6.69	6.77	6.89	6.71	6.54	6.56	6.55
1972	6.58	6.59	6.46	6.38	6.48	6.68	6.72	6.91	6.90	7.05	6.90	6.90	6.71
1973	6.97	7.23	6.73	6.26	6.48	6.62	6.62	6.63	6.58	6.58	6.58	6.74	6.67
1974	6.86	6.50	6.78	6.64	6.54	6.76	6.72	6.79	6.84	6.79	6.60	6.54	6.70
1975	6.42	6.61	6.63	6.50	6.44	6.69	6.63	6.66	6.67	6.53	6.37	6.33	6.54
1976	6.27	6.44	6.25	6.35	6.44	6.52	6.72	6.72	6.92	6.79	6.75	6.85	6.58
1977	6.68	6.42	6.16	6.11	6.26	6.49	6.54	6.71	6.83	6.71	6.56	6.80	6.52
1978	7.23	7.08	7.07	6.82	6.45	6.38	6.61	6.67	6.50	6.72	6.73	6.57	6.74
1979	6.72	6.82	6.74	6.45	6.48	6.53	6.63	6.72	6.79	6.76	6.61	6.80	6.67
1980	7.14	7.33	6.86	6.49	6.51	6.60	6.68	6.86	6.82	6.70	6.52	6.73	6.77

RUN DATE 11/16/82

STATION NO 9419750

CRESENT CITY,CA 41 44.7N 124 11.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1933	7.50	7.22	7.27	7.18	7.08	7.19	7.33	7.39	7.50	7.30	7.23	7.83	7.34
1934	7.46	7.73	7.40	7.26	7.37	7.20	7.26	7.39	7.53	7.47	7.84	7.61	7.46
1935	7.87	7.70	7.54	7.41	7.09	7.16	7.29	7.49	7.51	7.57	7.41	7.88	7.49
1936	7.66	8.04	7.13	7.17	7.49	7.51	7.40	7.38	7.46	7.44	7.40	7.46	7.46
1937	7.27	7.66	7.62	7.12	7.19	7.48	7.44	7.37	7.47	7.58	7.86	7.84	7.49
1938	7.74	8.15	7.87	7.32	7.14	7.19	7.47	7.39	7.49	7.54	7.26	7.39	7.50
1939	7.52	7.05	7.23	7.10	7.28	7.08	7.29	7.53	7.65	7.39	7.53	7.84	7.37
1940	8.21	8.11	7.73	7.22	7.30	7.18	7.33	7.43	7.67	7.70	7.60	8.30	7.65
1941	8.23	8.41	8.10	7.54	7.60	7.35	7.53	7.54	7.60	7.59	7.91	8.21	7.80
1942	8.03	7.70	7.25	7.52	7.34	7.13	7.40	7.40	7.40	7.37	7.53	7.67	7.48
1943	7.65	7.72	7.52	7.35	6.97	7.38	7.37	7.44	7.75	7.56	7.63	7.81	7.51
1944	7.61	7.71	7.45	7.17	7.31	7.28	7.45	7.35	7.54	7.45	7.69	7.77	7.48
1945	7.63	7.52	7.43	6.36	7.35	7.16	7.51	7.45	7.48	7.49	7.96	8.19	7.46
1946	7.59	7.95	7.44	7.32	7.38	7.29	7.35	7.43	7.58	7.49	7.56	7.76	7.51
1947	7.47	7.78	7.76	7.48	7.33	7.33	7.20	7.36	7.42	7.48	7.45	7.62	7.47
1950	7.54	7.53	7.22	7.23	6.98	7.20	7.42	7.41	7.46	7.58	7.72	8.01	7.44
1951	7.70	7.79	7.44	7.28	7.37	7.52	7.42	7.50	7.56	7.57	7.98	8.04	7.60
1952	8.21	7.82	7.43	7.33	7.34	7.33	7.43	7.53	7.59	7.55	7.81	8.10	7.62
1953	7.93	7.13	7.33	7.22	7.26	7.12	7.34	7.47	7.63	7.40	7.80	7.38	7.42
1954	8.06	7.79	7.65	7.31	7.19	7.28	7.33	7.46	7.42	7.44	7.64	7.73	7.52
1955	7.54	7.26	7.11	7.22	6.85	7.15	7.25	7.33	7.38	7.22	7.45	8.08	7.32
1956	8.12	7.29	7.10	7.32	7.38	7.27	7.38	7.31	7.40	7.38	7.09	7.35	7.37
1957	7.40	7.63	7.52	7.14	7.48	7.19	7.40	7.42	7.61	7.78	7.62	7.88	7.51
1958	8.16	8.54	7.73	7.47	7.30	7.40	7.43	7.58	7.45	7.65	7.47	7.66	7.65
1959	7.84	8.00	7.14	7.03	7.01	7.11	7.36	7.45	7.53	7.41	7.34	7.60	7.40
1960	7.77	7.52	7.46	7.19	7.16	7.22	7.29	7.27	7.47	7.34	7.54	7.65	7.41
1961	7.81	7.68	7.70	7.07	7.29	7.40	7.35	7.45	7.39	7.23	7.50	7.47	7.44
1962	7.34	7.97	7.51	7.06	7.26	7.20	7.37	7.50	7.67	7.81	7.46	7.63	7.48
1963	7.41	7.86	7.40	7.65	7.37	7.18	7.42	7.41	7.69	7.63	7.84	7.60	7.54
1964	7.72	6.97	7.00	6.82	6.94	7.00	6.96	7.37	7.28	7.35	7.76	8.02	7.27
1965	7.95	7.34	7.51	7.59	6.86	7.22	7.38	7.61	7.68	7.67	8.19	7.99	7.58
1966	7.89	7.51	7.49	7.17	7.14	7.10	7.29	7.46	7.42	7.32	7.84	7.83	7.46
1967	7.62	7.28	7.58	7.46	7.20	7.28	7.26	7.47	7.58	7.31	7.54	7.38	7.41
1968	7.70	7.81	7.39	6.78	7.12	7.04	7.34	7.61	7.48	7.53	7.61	7.93	7.44
1969	8.05	8.14	7.26	7.34	7.18	7.28	7.02	7.18	7.51	7.56	7.55	7.85	7.49
1970	8.06	7.78	7.37	6.67	7.00	7.18	7.34	7.32	7.22	7.47	7.82	7.93	7.43
1971	7.33	7.08	7.30	6.92	7.08	7.12	7.30	7.33	7.52	7.29	7.40	7.65	7.28
1972	7.48	7.68	7.53	7.24	7.16	7.47	7.49	7.60	7.53	7.68	7.73	7.82	7.53
1973	7.77	7.86	7.32	6.77	6.97	7.09	7.22	7.32	7.32	7.30	7.82	7.91	7.39
1974	7.69	7.28	7.67	7.28	6.97	7.15	7.33	7.41	7.49	7.30	7.33	7.35	7.35
1975	7.22	7.55	7.39	6.99	6.94	6.89	7.28	7.28	7.37	7.34	7.35	7.09	7.22
1976	7.22	7.50	7.05	7.09	6.95	7.12	7.40	7.47	7.58	7.49	7.53	7.63	7.34
1977	7.55	7.36	6.95	6.73	7.09	7.12	7.12	7.46	7.58	7.56	7.46	7.96	7.33
1978	8.40	8.03	7.65	7.48	6.90	6.96	7.18	7.31	7.39	7.45	7.37	7.14	7.44
1979	7.66	7.61	7.39	7.05	6.90	6.89	7.09	7.30	7.45	7.62	7.59	7.73	7.36
1980	7.85	8.01	7.35	7.08	7.04	7.15	7.24	7.39	7.45	7.37	7.23	7.65	7.40

RUN DATE 11/16/82

STATION NO. 9439040

ASTORIA,OR 46 12.5N 123 46.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1925		7.63	6.63	6.88	7.10	7.07	6.70	6.47	6.58	6.36	6.71	6.99	6.83
1926	6.86	7.49	6.55	6.64	6.94	6.35	6.32	6.33	6.39	6.75	7.25	7.11	6.75
1927	7.32	7.66	6.69	6.65	6.95	7.28	6.88	6.62	6.75	7.00	7.48	7.14	7.04
1928	7.16	6.75	7.23	7.16	7.02	7.09	6.77	6.42	6.30	6.47	6.77	6.91	6.84
1929	6.51	6.16	6.45	6.66	6.42	7.07	6.59	6.38	6.28	6.37	5.92	6.75	6.46
1930	6.35	7.20	6.45	6.81	6.74	6.75	6.38	6.54	6.52	6.45	6.62	6.64	6.62
1931	7.14	6.89	6.68	6.75	6.62	6.92	6.39	6.21	6.50	6.47	6.63	7.25	6.70
1932	6.96	6.74	7.05	7.27	7.14	6.97	6.81	6.47	6.17	6.38	7.05	7.02	6.84
1933	7.34	6.66	7.02	6.40	7.15	7.37	6.82	6.53	6.76	6.41	6.44	8.08	6.92
1934	7.51	7.02	6.87	6.90	7.30	6.83	6.57	6.41	6.35	6.68	7.51	7.17	6.93
1935	7.42	7.01	7.06	6.69	6.52	7.00	6.69	6.43	6.38	6.35	6.21	6.84	6.72
1936	7.37	6.91	6.56	6.53	7.33	7.42	6.69	6.36	6.21	6.21	6.12	6.74	6.70
1937	6.28	7.07	6.78	6.90	6.83	7.14	6.56	6.37	6.30	6.58	7.35	7.34	6.79
1938	7.08	7.30	7.32	6.86	6.79	6.81	6.71	6.17	6.29	6.52	6.44	6.68	6.75
1939	6.91	6.64	6.51	6.40	6.84	6.64	6.52	6.43	6.39	6.39	6.61	7.27	6.63
1940	7.03	7.56	7.12	6.75	6.79	6.51	6.50	6.36	6.63	6.86	6.77	7.35	6.85
1941	7.33	7.22	7.02	6.74	7.01	6.74	6.37	6.40	6.67	6.69	7.09	7.77	6.92
1942	6.88	6.98	6.51	7.06	6.95	6.92	6.86	6.42	6.24	6.36	7.03	7.25	6.79
1943	6.98	7.07	6.70	7.30	6.66	7.08	6.83	6.48	6.28	6.72	6.62	6.55	6.77
1944	6.78	6.65	6.28	6.56	6.40	6.61	6.24	6.19	6.32	6.38	6 85	6.48	6.48
1945	6.82	6.84	6.90	6.16	6.86	6.66	6.44						6.71
1946										6.41	6.76	7.19	6.76
1947	6.69	6.88	6.79	6.57	6.78	7.10	6.66	6.34	6.16	7.06	6.73	7.05	6.73
1948	7.07	7.02	6.76	7.11	7.27	7.89	7.30	7.07	7.07	6.90	7.25	7.76	7.21
1949	6.72	8.04	7.67	7.26	7.74	6.79	6.27	6.39	6.31	6.04	6.79	6.91	6.91
1950	7.09	7.02	7.13	6.70	6.53	7.14	6.98	6.44	6.31	7.02	7.23	7.50	6.92
1951	7.44	7.31	6.82	6.58	7.03	6.87	6.80	6.37	6.48	6.89	7.14	7.32	6.92
1952	7.40	7.12	6.89	6.69	6.80	6.83	6.48	6.36	6.28	6.20	6.50	7.33	6.74
1953	8.03	6.84	6.76	6.55	6.82	6.99	6.57	6.46	6.42	6.48	7.29	7.14	6.86
1954	7.61	7.30	6.75	6.54	6.63	7.23	6.84	6.48	6.55	6.56	7.00	7.08	6.88
1955	6.80	6.56	6.45	6.79	6.27	6.82	6.83	6.16	6.18	6.57	6.97	7.69	6.67
1956	7.85	6.75	6.98	6.78	7.07	7.34	6.60	6.25	6.19	6.63	6.30	6.71	6.79
1957	6.42	6.85	7.08	6.64	7.42	7.00	6.54	6.46	6.51	6.71	6.60	7.45	6.81
1958	7.37	7.90	7.01	7.01	6.87	7.18	6.50	6.35	6.39	6.55	7.00	7.11	6.94
1959	7.41	7.29	6.70	6.58	6.77	7.07	6.61	6.27	6.65	6.73	6.61	6.86	6.80
1960	6.77	7.02	6.82	7.04	7.00	6.59	6.35	6.22	6.07	6.41	6.98	6.79	6.67
1961	7.08	7.57	7.43	6.47	6.90	7.14	6.45	6.22	6.15	6.28	6.47	6.89	6.75
1962	6.41	6.97	6.71	6.69	6.75	6.63	6.29	6.36	6.42	6.84	7.04	6.96	6.67
1963	6.25	7.05	6.66	7.10	6.82	6.72	6.65	6.30	6.57	6.90	7.26	6.80	6.76
1964	7.56	6.23	6.60	6.09	6.48	7.05	6.65	6.35	6.20	6.41	6.83	7.62	6.67
1965	7.50	7.15	6.65	6.83	6.56	6.80	6.56	6.57	6.35	6.55	7.22	7.26	6.83
1966	7.47	6.88	6.97	6.36	6.31	6.63	6.53	6.26	6.29	6.36	6.85	7.37	6.69
1967	7.36	6.77	6.97	6.76	6.38	6.99	6.57	6.21	6.38	6.67	6.65	6.92	6.72
1968	7.03	7.16	6.86	6.04	6.45	6.57	6.54	6.59	6.44	6.78	7.16	7.59	6.77
1969	7.65	7.49	6.72	7.21	6.98	6.95	6.39	6.23	6.45	6.59	6.77	7.25	6.89
1970	7.45	7.13	6.63	6.26	6.27	6.54	6.21	6.16	6.14	6.48	6.92	7.49	6.64

RUN DATE 11/16/82

STATION NO. 9439040

ASTORIA,OR 46 12.5N 123 46.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1971	7.16	6.81	7.13	6.86	6.94	7.09	6.49	6.46	6.44	6.34	6.90	7.37	6.83
1972	7.26	7.28	7.49	7.11	6.91	7.15	6.71	6.51	6.52	6.40	6.92	7.25	6.96
1973	7.23	6.91	6.79	6.03	6.21	6.27	6.08	6.10	6.22	6.38	7.38	7.66	6.60
1974	7.54	7.15	7.32	6.98	6.73	6.94	6.75	6.27	6.34	6.20	6.75	7.00	6.83
1975	7.06	7.11	7.03	6.48	6.50	6.41	6.34	6.15	6.12	6.75	7.00	7.05	6.67
1976	7.03	7.13	6.82	6.82	6.69	6.55	6.61	6.62	6.61	6.47	6.61	6.71	6.72
1977	6.56	6.59	6.31	5.89	6.51	6.14	5.94	6.33	6.54	6.56	6.97	7.69	6.50
1978	7.57	7.37	6.83	6.87	6.49	6.48	6.21	6.29	6.64	6.32	6.42	6.53	6.67
1979	6.39	7.24	6.78	6.59	6.47	6.03	6.25	6.17	6.44	6.67	6.68	7.23	6.58
1980	7.18	7.15	6.77	6.62	6.49	6.63	6.17	6.17	6.32	6.30	6.75	7.19	6.64

RUN DATE 11/16/82

STATION NO. 9443090

NEAH BAY,WA 48 22.1N 124 37.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1934								6.21	6.27	6.69	7.52	7.23	
1935	7.78	6.88	6.98	6.41	6.01	6.18	6.19	6.18	6.40	6.46	6.39	7.11	6.58
1936	7.18	6.94	6.32	6.22	6 51	6.71	6.39	6.28	6.13	6.22	6.13	6.81	6.49
1937	6.33	6.91	6.78	6.67	6.40	6.51	6.16	6.22	6.21	6.64	7.28	7.11	6.60
1938	6.93	7.33	7.03	6.42	6.00	5.91	6.10	5.99	6.18	6.67	6.36	6.59	6.46
1939	6.98	6.46	6.34	6.10	6.24	6.12	6.12	6.25	6.37	6.45	6.88	7.34	6.47
1940	7.14	7.36	6.96	6.39	6.38	6.01	6.26	6.17	6.61	6.97	6.89	7.50	6.72
1941	7.35	7.28	7.01	6.58	6.59	6.30	6.24	6.31	6.64	6.64	7.08	7.41	6.79
1942	7.02	6.82	6.44	6.81	6.46	6.18	6.40	6.27	6.21	6.48	7.01	7.09	6.60
1943	6.74	6.85	6.59	6.74	6.04	6.25	6.20	6.23	6.24	6.76	6.64	6.58	6.49
1944	6.99	6.57	6.22	6.52	6.17	6.14	6.14	6.16	6.32	6.45	7.13	6.76	6.46
1945	6.88	6.75	6.80	5.93	6.50	6.08	6.19	6.13	6.21	6.31	7.07	7.33	6.52
1946	6.83	7.07	6.69	6.50	6.18	6.41	6.27	6.06	6.33	6.34	6.59	6.83	6.51
1947	6.59	6.70	6.61	6.28	6.13	6.42	6.26	6.23	6.16	7.04	6.35	6.96	6.48
1948	6.76	6.79	6.62	6.96	6.67	6.36	6.27	6.38	6.47	6.33	6.61	6.92	6.60
1949	6.19	7.11	6.87	6.15	6.40	6.15	6.09	6.33	6.32	6.06	6.93	6.80	6.45
1950	6.85	6.97	6.96	6.48	5.96	6.21	6.16	6.23	6.29	7.11	7.02	7.31	6.63
1951	7.03									6.91	7.27	7.02	6.64
1952	7.48	7.01	6.59	6.18	6.09	6.15	6.14	6.32	6.29	6.28	6.66	7.50	6.56
1953	7.69	6.43	6.68	6.34	6.49	6.17	6.10	6.37	6.43	6.57	7.35	6.86	6.62
1954	7.46	7.11	6.66	6.35	6.11	6.44	6.15	6.20	6.39	6.55	7.06	7.19	6.64
1955	6.68	6.35	6.15	6.60	5.87	5.94	6.06	6.03	6.14	6.40	6.65	7.21	6.34
1956	7.50	6.50	6.66	6.17	6.15	6.30	6.09	6.01	6.18	6.53	6.13	6.61	6.40
1957	6.46	6.62	6.78	6.32	6.47	6.15	6.27	6.34	6.45	6.68	6.64	7.22	6.53
1958	7.32	7.68	6.85	6.73	6.22	6.41	6.30	6.30	6.37	6.55	6.67	6.97	6.70
1959					6.17	6.28	6.03	6.05	6.59	6.46	6.35	6.78	6.55
1960	6.82	6.68	6.51	6.74	6.52	5.98	5.98	6.11	6.10	6.39	6.82	6.78	6.45
1961	7.11	7.29	7.26	6.25	6.37	6.21	6.11	6.27	6.08	6.16	6.39	6.71	6.52
1962	6.34	6.84	6.45	6.24	6.30	5.94	5.91	6.28	6.35	6.79	6.94	6.88	6.44
1963	6.17	6.87	6.44	6.85	6.39	6.09	6.28	6.10	6.47	6.86	7.21	6.82	6.55
1964	7.25	6.04	6.31	5.82	5.89	6.05	6.14	6.21	6.18	6.28	6.69	7.06	6.33
1965	7.09	6.59	6.28	6.52	5.98	6.08	6.11	6.40	6.32	6.66	7.35	7.39	6.56
1966	7.30	6.85	6.88	6.12	5.91	5.86	6.15	6.16	6.25	6.40	6.92	7.39	6.52
1967	7.05	6.48	6.94	6.61	6.07	6.19	6.05	6.18	6.38	6.77	6.52	6.71	6.50
1968	6.92	6.96	6.82	5.93	6.20	6.00	6.14	6.42	6.26	6.71	6.93	7.28	6.55
1969	7.25	7.28	6.40	6.80	6.28	6.33	5.96	6.09	6.41	6.55	6.64	7.13	6.59
1970	6.99	6.77	6.44	5.85	5.82	5.95	5.96	6.06	6.07	6.42	6.77	7.18	6.36
1971	6.56	6.36	6.58	6.37	6.06	6.21	6.11	6.35	6.35	6.28	6.60	6.83	6.39
1972	6.63	6.96	6.82	6.53	6.06	6.11	6.20	6.23	6.34	6.23	6.85	7.03	6.50
1973	7.04	6.75	6.60	5.73	5.91	5.96	5.84	5.92	6.08	6.25	6.94	7.24	6.36
1974	6.75	6.76	6.98	6.51	6.08	6.09	6.16	6.06	6.11	5.92	6.64	6.73	6.40
1975	6.41	6.82	6.55	5.93	5.81	5.80	5.94	6.11	5.95	6.71	6.83	6.48	6.28
1976	6.49			6.23				6.55	6.28	6.28	6.33		6.52
1977	6.46	6.61	6.26	5.84	6.19	5.94	5.89	6.40	6.45	6.43	6.84	7.26	6.38
1978					6.02	6.03	5.96	6.22	6.54	6.16	6.20	6.24	6.32
1979	6.39	6.99	6.40	6.20	5.96	5.79	6.17	6.08	6.37	6.60	6.61	7.02	6.38

RUN DATE 11/16/82

STATION NO. 9443090

NEAH BAY,WA 48 22.1N 124 37.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1980	6.77	7.00	6.53	6.32	6.01	6.08	5.89	6.03	6.18	6.22	6.67	6.92	6.38

RUN DATE 11/16/82

STATION NO. 9447130

SEATTLE,WA 47 36.2N 122 20.2W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1899	14.20	13.83	13.86	13.76	13.66	13.69	13.73	13.74	13.69	13.89	14.70	14.48	13.94
1900	14.48	14.22	14.33	13.91	14.12	14.13	13.87	13.75	13.69	14.08	14.15	14.47	14.10
1901	14.33	14.05	13.97	13.59	13.85	13.71	13.69	13.73	13.85	13.73	14.17	13.94	13.88
1902	13.94	14.59	14.17	13.85	13.91	13.81	13.82	13.86	13.81	14.03	14.34	14.54	14.06
1903	14.50	14.01	14.16	13.83	13.70	13.81	13.78	13.80	13.76	13.94	14.43	14.12	13.99
1904	14.07	14.83	14.56	14.08	13.77	13.72	13.87	13.76	13.77	13.84	14.56	14.38	14.10
1905	14.43	14.45	14.50	14.06	13.92	13.74	13.85	13.89	13.95	13.91	14.04	14.25	14.08
1906	14.43	14.55	14.32	13.95	14.02	14.21	13.96	13.94	13.79	13.73	14.05	14.36	14.11
1907	14.36	14.27	14.44	14.14	14.07	14.09	14.05	14.00	14.02	13.90	14.07	14.61	14.17
1908	14.63	14.18	14.10	13.92	13.98	13.91	13.98	14.01	13.87	13.88	14.27	14.20	14.08
1909	14.78	14.84	14.07	13.69	13.75	13.89	13.93	13.86	13.88	14.03	14.48	14.29	14.12
1910	14.46	14.10	14.11	13.89	13.91	13.89	13.82	13.70	13.72	13.87	14.22	14.08	13.98
1911	14.33	14.03	13.96	13.79	13.96	13.82	13.93	13.80	13.88	14.04	13.96	13.96	13.96
1912	14.41	13.98	13.92	13.82	13.84	13.85	13.86	13.79	13.80	13.94	14.30	14.00	13.96
1913	14.24	13.82	13.81	13.99	13.74	14.00	13.86	13.90	13.86	13.63	14.35	14.27	13.96
1914	15.26	14.18	14.04	14.15	14.00	13.98	13.88	13.86	13.90	14.24	14.08	14.41	14.16
1915	14.47	14.77	14.17	14.24	14.27	13.84	13.99	14.00	14.03	13.99	14.38	14.58	14.23
1916	14.48	14.27	14.37	14.05	13.97	13.90	14.08	14.04	14.00	13.67	13.87	14.26	14.08
1917	13.89	13.86	13.83	14.01	13.70	13.80	13.95	13.79	13.89	13.61	13.92	14.36	13.88
1918	14.36	14.42	14.40	14.00	13.98	13.99	14.01	13.97	14.07	14.14	14.40	14.41	14.18
1919	14.65	14.53	14.23	14.10	14.03	13.86	13.87	13.86	13.96	13.75	13.98	14.12	14.08
1920	13.98	13.77	14.18	13.68	13.69	13.80	13.87	13.83	14.04	14.29	14.09	14.67	13.99
1921	14.49	14.18	14.15	13.75	13.82	13.99	13.79	13.79	13.84	14.07	14.16	14.21	14.02
1922	13.86	14.24	13.98	13.55	13.72	13.88	13.86	13.92	13.90	14.02	13.92	14.37	13.94
1923	14.65	13.83	13.46	13.97	13.81	14.00	13.85	13.92	13.95	14.07	14.14	14.33	14.00
1924	14.09	14.38	13.71	13.62	13.69	13.74	13.70	13.43	13.82	14.27	14.23	14.07	13.90
1925	14.29	14.73	14.02	13.92	13.97	13.99	13.98	13.95	13.90	13.87	14.16	14.39	14.10
1926	14.45	14.72	13.94	14.06	14.00	13.72	13.78	13.90	13.90	14.15	14.49	14.22	14.11
1927	14.58	14.67	13.96	13.93	13.84	14.00	13.86	13.97	14.03	14.20	14.46	14.14	14.14
1928	14.35	14.09	14.30	14.23	13.90	13.94	13.93	13.99	13.86	13.91	14.16	14.25	14.08
1929	13.91	13.67	13.79	13.97	13.74	14.17	13.98	13.99	13.88	13.96	13.51	14.11	13.89
1930	13.98	14.42	14.02	14.19	13.92	13.93	13.90	14.10	14.12	14.09	14.14	14.19	14.08
1931	14.50	14.34	13.97	13.96	13.95	14.07	13.89	13.88	13.97	14.01	14.03	14.64	14.10
1932	14.22	14.24	14.15	14.42	14.10	13.88	13.98	14.00	13.82	13.99	14.34	14.33	14.12
1933	14.54	14.05	14.36	13.79	14.11	14.04	13.92	13.92	14.14	13.84	13.86	14.99	14.13
1934	14.56	14.40	14.24	14.00	14.16	13.90	13.91	13.87	13.89	14.09	14.67	14.34	14.17
1935	14.76	14.42	14.46	14.03	13.76	13.87	14.03	13.96	14.00	13.98	13.86	14.45	14.13
1936	14.54	14.41	13.94	13.79	14.11	14.25	14.00	13.94	13.83	13.81	13.74	14.23	14.05
1937	13.88	14.46	14.25	14.14	14.01	14.14	13.99	13.90	13.88	14.09	14.57	14.52	14.15
1938	14.44	14.81	14.61	14.04	13.86	13.86	13.98	13.85	13.92	14.06	13.90	14.11	14.12
1939	14.36	13.95	13.86	13.75	13.97	13.91	13.91	14.02	14.02	14.00	14.21	14.71	14.06
1940	14.61	14.79	14.48	14.04	14.09	13.88	14.00	13.93	14.21	14.41	14.29	14.88	14.30
1941	14.85	14.82	14.64	14.26	14.27	14.02	14.07	14.14	14.23	14.12	14.54	14.94	14.41
1942	14.49	14.37	14.00	14.40	14.14	13.97	14.10	14.02	13.94	14.01	14.41	14.43	14.19
1943	14.24	14.39	14.14	14.24	13.86	14.12	14.03	14.01	13.99	14.29	14.15	14.13	14.13
1944	14.44	14.18	13.92	14.06	13.89	13.98	13.95	13.91	14.02	14.03	14.50	14.29	14.10

RUN DATE 11/16/82

STATION NO. 9447130

SEATTLE,WA 47 36.2N 122 20.2W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1945	14.41	14.31	14.32	13.71	14.18	13.93	14.05	13.99	13.95	13.98	14.54	14.81	14.18
1946	14.39	14.57	14.31	14.12	14.09	14.14	14.11	13.91	14.10	14.02	14.18	14.48	14.20
1947	14.27	14.42	14.32	13.98	14.00	14.19	14.09	14.03	13.94	14.51	14.07	14.35	14.18
1948	14.37	14.41	14.23	14.58	14.33	14.21	14.16	14.12	14.10	14.00	14.17	14.52	14.27
1949	13.86	14.63	14.47	13.92	14.15	13.98	13.95	14.04	14.02	13.72	14.30	14.29	14.11
1950	14.49	14.48	14.47	14.19	13.89	14.11	14.14	14.10	14.08	14.61	14.53	14.80	14.32
1951	14.65	14.72	14.28	14.03	14.19	14.10	14.22	14.06	14.20	14.40	14.65	14.58	14.34
1952	14 89	14.54	14.25	14.04	13.88	14.04	14.02	14.19	14.06	13.93	14.21	15.01	14.26
1953	15.14	14.18	14.31	14.06	14.25	14.01	14.00	14.15	14.17	14.18	14.88	14.47	14.32
1954	15.03	14.76	14.38	14.21	14.10	14.29	14.11	14.12	14.13	14.21	14.55	14.72	14.38
1955	14.35	14.12	13.95	14.27	13.82	14.01	14.03	13.88	13.93	14.10	14.35	14.89	14.14
1956	15.12	14.36	14.38	14.10	14.21	14.24	14.15	14.08	14.14	14.27	13.94	14.35	14.28
1957	14.18	14.39	14.56	14.17	14.52	14.22	14.19	14.22	14.33	14.40	14.30	14.94	14.37
1958	14.99	15.30	14.51	14.48	14.19	14.28	14.18	14.30	14.27	14.34	14.52	14.80	14.51
1959	14.88	14.83	14.32	14.29	14.11	14.23	14.20	14.19	14.40	14.35	14.29	14.55	14.39
1960	14.63	14.64	14.43	14.45	14.33	14.14	14.05	14.15	14.11	14.22	14.48	14.51	14.34
1961	14.84	14.86	14.81	14.14	14.28	14.23	14.15	14.20	14.11	14.06	14.22	14.48	14.36
1962	14.22	14.62	14.28	14.09	14.14	13.96	14.01	14.11	14.17	14.45	14.52	14.54	14.26
1963	14.02	14.68	14.29	14.60	14.30	14.15	14.26	14.16	14.44	14.61	14.84	14.57	14.41
1964	14.88	13.89	14.22	13.79	13.86	14.12	14.14	14.26	14.12	14.13	14.44	14.85	14.22
1965	14.76	14.31	14.17	14.44	13.85	14.01	14.20	14.33	14.23	14.40	14.87	14.82	14.37
1966	14.90	14.61	14.57	14.16	14.05	14.02	14.19	14.15	14.21	14.21	14.65	15.04	14.40
1967	14.80	14.43	14.70	14.45	14.00	14.37	14.24	14.27	14.18	14.48	14.40	14.56	14.41
1968	14.79	14.82	14.59	14.03	14.25	14.15	14.32	14.54	14.34	14.59	14.73	15.09	14.52
1969	15.13	15.10	14.44	14.73	14.43	14.49	14.23	14.24	14.44	14.41	14.47	14.88	14.58
1970	14.88	14.66	14.41	14.05	14.04	14.21	14.20	14.14	14.16	14.34	14.65	14.92	14.39
1971	14.52	14.30	14.49	14.39	14.17	14.28	14.29	14.35	14.29	14.25	14.41	14.67	14.37
1972	14.58	14.79	14.77	14.52	14.28	14.36	14.47	14.49	14.43	14.35	14.69	14.86	14.55
1973	14.97	14.76	14.59	13.84	14.04	14.11	14.09	14.12	14.13	14.21	14.69	15.03	14.38
1974	14.71	14.61	14.87	14.52	14.22	14.37	14.38	14.29	14.21	14.07	14.47	14.58	14.44
1975	14.43	14.77	14.58	14.17	14.03	14.10	14.23	14.18	14.09	14.51	14.69	14.50	14.36
1976	14.53	14.71	14.41	14.34	14.20	14.24	14.42	14.45	14.40	14.33	14.33	14.55	14.41
1977	14.38	14.47	14.20	13.88	14.27	14.14	14.11	14.44	14.47	14.43	14.68	15.15	14.38
1978	15.27	15.10	14.64	14.51	14.15	14.29	14.33	14.49	14.49	14.23	14.26	14.29	14.50
1979	14.40	14.87	14.49	14.30	14.11	14.06	14.26	14.27	14.36	14.52	14.50	14.92	14.42
1980	14.84	14.92	14.61	14.39	14.26	14.28	14.19	14.30	14.33	14.26	14.50	14.86	14.48

RUN DATE 11/16/82

STATION NO. 9449880

FRIDAY HARBOR,WA 48 32.7N 123 00.7W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1934	8.65	8.42	8.22	8.01	8.23	8.04	8.09	8.06	8.03	8.23	8.80	8.44	8.27
1935	8.82	8.49	8.50	8.08	7.81	8.00	8.03	8.03	8.10	8.06	7.92	8.53	8.20
1936	8.55	8.42	7.92	7.68	8.13	8.28	8.13	8.08	7.94	7.92	7.82	8.32	8.10
1937	7.90	8.54	8.27	8.11	7.98	8.12	8.00	7.95	7.98	8.16	8.60	8.54	8.18
1938	8.35	8.73	8.53	7.96	7.77	7.79	7.98	7.83	7.94	8.08	7.89	8.09	8.08
1939	8.46	8.04	7.89	7.76	7.98	7.90	7.97	8.07	8.07	8.03	8.35	8.82	8.11
1940	8.70	8.87	8.45	8.11	8.10	7.90	8.13	8.04	8.29	8.44	8.35	8.92	8.36
1941	8.86	8.80	8.63	8.23	8.25	8.04	8.09	8.13	8.26	8.23	8.54	8.97	8.42
1942	8.51	8.37	7.98	8.37	8.08	7.92	8.11	8.08	8.03	8.06	8.44	8.47	8.20
1943	8.22	8.35	8.12	8.24	7.56	8.14	8.09	8.07	8.04	8.32	8.18	8.11	8.12
1944	8.40	8.06	7.84	8.06	7.93	8.09	8.10	8.09	8.10	8.11	8.54	8.29	8.13
1945	8.37	8.35	8.39	7.71	8.12	7.94	8.07	8.00	7.95	7.95	8.57	8.77	8.18
1946	8.33	8.51	8.22	8.09	8.02	8.23	8.17	8.05	8.13	7.99	8.19	8.37	8.19
1947	8.24	8.37	8.30	7.98	8.02	8.18	8.10	8.16	7.93	8.56	7.97	8.45	8.19
1948	8.37	8.41	8.28	8.60	8.35	8.20	8.17	8.10	8.11	8.02	8.29	8.58	8.29
1949	7.79	8.64	8.43	7.93	8.13	8.01	7.95	8.09	8.10	7.81	8.39	8.37	8.14
1950	8.42	8.41	8.43	8.09	7.82	8.07	8.12	8.10	8.14	8.59	8.55	8.79	8.29
1951	8.57	8.56	8.18	7.89	8.07	8.08	8.20	8.14	8.26	8.40	8.74	8.57	8.30
1952	8.90	8.52	8.20	7.93	7.81	8.02	8.00	8.08	8.05	7.85	8.20	9.04	8.22
1953	9.19	8.17	8.35	8.06	8.20	7.99	8.05	8.19	8.18	8.14	8.85	8.45	8.32
1954	9.01	8.79	8.37	8.17	8.07	8.24	8.09	8.10	8.14	8.22	8.62	8.74	8.38
1955	8.38	8.14	7.99	8.31	7.84	7.96	8.08	7.97	8.01	8.12	8.37	8.83	8.17
1956	9.13	8.41	8.38	8.06	8.12	8.17	8.16	8.03	8.12	8.27	7.95	8.36	8.26
1957	8.16	8.42	8.50	8.12	8.42	8.12	8.20	8.23	8.31	8.35	8.18	8.89	8.32
1958	9.02	9.30	8.63	8.54	8.25	8.38	8.36	8.38	8.32	8.40	8.45	8.77	8.57
1959	8.79	8.75	8.14	8.02	8.08	8.15	8.14	8.17	8.33	8.22	8.11	8.51	8.28
1960	8.54	8.48	8.28	8.32	8.19	7.92	8.04	8.01	8.05	8.17	8.45	8.47	8.24
1961	8.68	8.74	8.84	7.95	8.20	8.18	8.13	8.15	8.08	7.90	8.03	8.25	8.26
1962	7.35	8.07	7.94	7.94	8.09	7.94	7.98	8.12	8.21				8.16
1963													8.26
1964			8.19	7.71	7.81	8.00	8.11	8.23	8.12	8.14	8.42	8.79	8.10
1965	8.68	8.24	8.08	8.26	7.83	8.03	8.10	8.27	8.25	8.30	8.88	8.89	8.32
1966	8.83	8.51	8.44	8.04	7.89	8.01	8.09	8.10	8.08	8.08	8.58	8.90	8.30
1967	8.67	8.29	8.54	8.33	7.97	8.20	8.14	8.19	8.24	8.38	8.30	8.44	8.31
1968	8.70	8.70	8.51	7.91	8.16	8.02	8.21	8.38	8.23	8.47	8.64	8.94	8.41
1969	8.93	8.95	8.21	8.49	8.16	8.28	8.08	8.10	8.31	8.30	8.34	8.80	8.41
1970	8.71	8.42	8.17	7.82	7.79	8.03	8.06	8.05	8.01	8.26	8.52	8.81	8.22
1971	8.34	8.13	8.34	8.21	8.04	8.13	8.17	8.23	8.20	8.12	8.31	8.54	8.23
1972	8.36	8.66	8.60	8.40	8.12	8.28	8.38	8.37	8.33	8.17	8.56	8.76	8.42
1973	8.84	8.57	8.44	7.69	7.92	8.03	8.00	8.04	8.07	8.13	8.68	9.09	8.29
1974	8.57	8.49	8.77	8.37	8.06	8.29	8.32	8.18	8.17	7.96	8.35	8.49	8.34
1975	8.28	8.54	8.36	7.97	7.87	7.95	8.12	8.11	8.00	8.44	8.61	8.32	8.21
1976	8.33	8.53	8.24	8.19	8.06	8.11	8.34	8.33	8.35	8.29	8.20	8.45	8.28
1977	8.27	8.38	8.17	7.75	8.16	8.03	8.01	8.37	8.39	8.36	8.58	8.95	8.28
1978	9.05	8.89	8.44	8.34	7.98	8.05	8.10	8.22	8.35	8.12	8.13	8.15	8.32
1979	8.26	8.74	8.27	8.13	7.93	7.88	8.15	8.15	8.29	8.43	8.41	8.81	8.29

RUN DATE 11/16/82

STATION NO. 9449880

FRIDAY HARBOR,WA 48 32.7N 123 00.7W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1980	8.64	8.71	8.26	8.19	8.07	8.16	8.05	8.18	8.22	8.14	8.41	8.70	8.31

RUN DATE 11/16/82

STATION NO. 9450460

KETCHIKAN,AK 55 20.0N 131 37.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1919	15.21	14.73	14.26	14.35	14.36	14.06	14.04	13.93	14.14	13.84	14.39	14.42	14.31
1920	14.30	13.76	14.23	13.84	14.00	14.21	14.03	14.01	14.41	14.58	14.55	15.03	14.25
1921	14.61	14.59	14.03	14.00	13.79	14.31	13.96	13.96	14.32	14.89	14.56	14.51	14.29
1922	14.24	14.15	14.28	13.59	14.03	13.85	13.61	13.85	14.21	14.43	14.82	14.44	14.12
1923	14.59	13.91	13.78	14.18	14.08	13.97	13.81	13.97	14.25	14.52	14.93	15.10	14.26
1924	14.56	14.87	13.85	13.87	13.87	13.80	13.85	13.86	14.19	14.72	14.76	14.36	14.21
1925	14.44	14.60	14.17	14.10	14.16	14.20	14.16	13.97	13.89	14.03	14.63	14.96	14.28
1926	15.02	15.18	14.28	14.24	14.51	14.08	14.13	14.05	13.78	14.50	14.61	14.58	14.41
1927	14.60	14.80	14.35	14.02	13.99	14.06	13.93	13.87	14.23	14.63	14.53	14.08	14.26
1928	14.55	14.20	14.58	14.35	14.12	14.00	13.98	13.89	13.83	14.24	14.70	14.71	14.26
1929	14.05	13.64	14.11	13.95	13.68	14.15	14.22	14.31	13.75	14.52	14.16	14.38	14.08
1930	13.81	14.68	13.87	14.12	13.88	14.11	13.93	14.05	14.10	14.48	14.67	15.16	14.24
1931	15.24	14.88	14.38	14.40	14.14	14.24	14.03	13.95	14.34	14.61	14.31	14.93	14.45
1932	14.50	14.37	14.29	14.47	14.24	14.03	14.25	14.19	14.23	14.41	14.91	14.57	14.37
1933	14.70	14.14	14.46	13.92	14.23	14.23	14.19	14.05	14.39	14.26	14.49	14.79	14.32
1934	14.87	14.67	14.30	14.06	14.42	14.07	14.15	13.95	13.99	14.51	15.08	14.59	14.39
1935	14.61	14.64	14.47	13.90	13.77	14.22	13.97	14.06	14.00	14.23	14.21	15.15	14.27
1936	14.68	14.10	13.93	13.86	14.05	14.38	14.35	14.07	14.04	14.21	14.57	14.89	14.26
1937	13.71	14.44	14.43	14.36	14.10	14.17	14.11	14.18	13.90	14.46	14.87	14.71	14.29
1938	14.73	14.67	14.49	14.18	13.81	13.82	13.83	13.66	13.98	14.48	14.25	14.47	14.20
1939	14.69	14.05	13.95	13.90	14.10	14.00	14.06	13.97	14.06	14.41	14.95	15.42	14.30
1940	14.80	14.81	14.60	14.17	14.09	14.01	14.04	14.30	14.33	14.75	14.59	15.18	14.47
1941	15.02	14.69	14.56	14.24	14.27	14.17	14.18	14.17	14.36	14.50	14.96	14.99	14.51
1942	14.93	14.48	14.30	14.48	14.18	13.99	14.00	13.72	13.79	14.56	14.72	14.69	14.32
1943	14.24	14.37	13.98	14.28	13.87	13.96	14.06	14.07	14.11	14.56	14.76	14.66	14.24
1944	14.90	14.06	14.07	14.22	13.88	13.88	13.91	13.93	14.01	14.44	14.82	14.41	14.21
1945	14.63	14.21	14.38	13.72	13.81	13.85	14.04	13.67	13.89	14.26	14.74	14.80	14.17
1946	14.53	14.61	14.49	14.22	13.90	14.13	14.27	13.90	14.32	14.32	14.18	14.44	14.28
1947	14.24	14.13	14.02	13.93	13.87	14.13	14.20	13.96	14.07	15.15	14.37	14.78	14.24
1948	14.63	14.13	14.16	14.14	14.15	14.00	14.00	14.07	14.42	14.53	14.78	14.59	14.30
1949	13.96	14.42	14.24	14.28	14.07	14.13	14.02	14.28	14.20	14.34	14.93	14.33	14.27
1950	13.65	14.47	14.20	14.03	13.79	13.96	14.07	14.13	14.19	14.81	14.47	14.76	14.21
1951	14.45	14.25	13.97	13.67	13.87	13.76	13.83	13.76	13.93	14.30	14.73	14.33	14.07
1952	14.76	14.43	14.12	14.08	13.84	14.02	13.84	13.86	14.21	14.21	14.55	15.31	14.27
1953	14.83	14.20	14.40	14.06	14.22	14.00	13.96	14.04	14.24	14.80	15.25	14.82	14.40
1954	14.62	14.76	14.03	13.92	13.77	14.24	14.14	13.87	14.08	14.55	15.05	15.14	14.35
1955	14.60	14.22	13.80	14.19	13.74	13.83	13.86	13.97	13.91	14.61	14.33	14.40	14.12
1956	14.62	13.98	14.09	13.75	13.80	14.20	13.84	13.93	13.96	14.52	14.25	14.53	14.12
1957	13.79	13.96	14.19	13.85	14.02	14.15	14.21	14.12	14.06	14.20	14.53	15.08	14.18
1958	15.21	15.08	14.19	14.22	13.91	13.84	13.65	14.09	14.25	14.73	14.77	14.75	14.39
1959	14.68	14.41	14.44	13.94	13.82	14.18	13.89	13.95	14.34	14.30	14.32	14.97	14.27
1960	14.55	14.39	14.33	14.43	14.27	13.95	13.90	13.93	14.16	14.52	14.70	14.46	14.30
1961	14.87	14.83	14.70	13.99	13.90	14.21	13.87	13.93	13.90	14.42	14.46	14.51	14.30
1962	14.18	14.08	13.78	13.99	13.80	13.80	13.71	14.03	14.07	14.64	14.94	14.78	14.15
1963	13.79	14.63	14.01	14.20	14.06	14.02	14.00	13.82	14.70	15.13	14.96	14.63	14.33
1964	15.02	14.08	14.02	13.66	13.65	13.96	14.09	14.18	13.92	14.50	14.51	14.57	14.18

RUN DATE 11/16/82

STATION NO. 9450460

KETCHIKAN,AK 55 20.ON 131 37.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1965	14.43	14.20	13.64	13.94	13.60	13.69	13.83	13.86	13.49	14.61	14.66	14.76	14.06
1966	14.51	14.29	14.59	13.76	13.92	14.36	14.09	14.20	14.54	14.66	14.64	15.13	14.39
1967	14.83	14.62	14.34	14.10	14.12	14.15	14.34	14.19	14.70	15.07	14.43	14.61	14.46
1968	14.46	15.01	14.70	14.50	14.36	14.45	14.50	14.60	14.70	14.98	15.16	14.63	14.67
1969	14.35	14.59	13.79	14.31	13.85	14.00	14.04	14.32	14.42	14.49	15.07	15.23	14.37
1970	14.78	14.48	14.25	13.99	13.96	13.97	14.02	14.03	14.05	14.41	14.42	14.54	14.24
1971	13.98	13.90	14.27	14.16	13.70	14.03	13.77	14.18	14.27	14.35	14.55	14.25	14.12
1972	13.97	14.33	14.26	14.17	13.77	14.01	14.04	14.13	14.06	14.10	14.74	14.58	14.18
1973			14.33	13.62	13.90	14.00		13.79		14.31		14.72	14.21
1974	14.18	14.30	14.42	14.04	14.00	14.00	14.09	13.71	13.88	14.31	14.64	14.87	14.20
1975	14.35	14.41	14.01	13.73	13.73	13.78	13.85	14.05	13.71	14.51	14 86	14.49	14.12
1976			14.21	14.21	14.19					14.37	14.48		14.37
1977	14.22	14.78	14.29	13.88	14.04	14.06	14.06	14.09	14.17	14.66	14.68	14.54	14.29
1978	14.42	14.61	14.25	14.01	13.85	13.70	13.58	14.15	14.41	14.26	14.64	14.28	14.18
1979	14.20	14.34	14.03	13.84	13.88	13.79	14.01	13.86	14.26	14.56	14.52	14.82	14.18
1980	14.54	14.63	14.28	14.40	13.96	13.78	13.89	13.88	14.02	14.52	14.97	14.65	14.29

RUN DATE 11/16/82

STATION NO. 9451600

SITKA,AK 57 03.1N 135 20.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1938	10.65	10.57	10.43	10.08	9.66	9.80	9.76	9.63	10.11	10.56	10.30	10.49	10.17
1939	10.58	9.98	9.91	9.83	9.94	9.72	9.93	9.93	10.08	10.35	10.76	11.35	10.20
1940	10.74	10.72	10.53	10.01	10.01	9.92	9.94	10.17	10.29	10.68	10.48	11.13	10.38
1941	10.95	10.52	10.51	10.24	10.09	9.94	9.92	9.87	10.12	10.43	10.72	10.78	10.34
1942	10.86	10.40	10.26	10.39	10.02	9.80	9.81	9.75	9.75	10.50	10.49	10.51	10.21
1943	10.15	10.16	9.85	10.11	9.68	9.76	9.85	9.98	10.06	10.53	10.69	10.65	10.12
1944	10.92	9.96	10.00	10.09	9.85	9.74	9.75	9.78	9.90	10.31	10.74	10.23	10.11
1945	10.58	10.21	10.41	9.71	9.77	9.78	10.00	9.61	9.88	10.23	10.47	10.62	10.11
1946	10.42	10.47	10.30	10.12	9.69	9.82	9.95	9.79	10.21	10.17	10.01	10.26	10.10
1947	10.04	9.94	9.87	9.79	9.71	9.87	9.88	9.78	9.95	10.87	10.23	10.68	10.05
1948	10.52	10.08	10.02	9.88	9.90	9.64	9.76	9.81	10.17	10.40	10.66	10.44	10.11
1949	9.95	10.23	10.10	10.07	9.82	9.88	9.72	9.96	9.99	10.16	10.72	10.14	10.06
1950	9.53	10.41	10.04	9.92	9.71	9.69	9.82	9.92	10.00	10.56	10.22	10.53	10.03
1951	10.23	10.01	9.80	9.57	9.66	9.55	9.66	9.61	9.87	10.18	10.59	10.12	9.90
1952	10.53	10.25	9.95	9.92	9.67	9.76	9.49	9.62	9.98	10.06	10.39	11.19	10.07
1953	10.62	10.18	10.21	9.87	9.91	9.63	9.64	9.85	10.06	10.58	10.88	10.60	10.17
1954	10.38	10.39	9.78	9.72	9.63	10.03	9.83	9.60	9.83	10.22	10.78	10.88	10.09
1955	10.45	10.03	9.71	10.00	9.67	9.65	9.55	9.73	9.71	10.33	10.08	10.17	9.92
1956	10.40	9.87	9.82	9.55	9.58	9.89	9.60	9.80	9.74	10.23	10.10	10.28	9.90
1957	9.45	9.76	9.96	9.62	9.75	9.77	9.82	9.83	9.91	10.02	10.37	10.76	9.92
1958	10.88	10.79	9.85	9.90	9.73	9.53	9.40	9.98	9.96	10.34	10.45	10.56	10.11
1959	10.44	10.12	10.25	9.69	9.60	9.85	9.78	9.86	10.02	10.04	10.13	10.69	10.04
1960	10.37	10.27	10.08	10.14	9.94	9.74	9.66	9.72	9.78	10.29	10.52	10.39	10.08
1961	10.62	10.64	10.51	9.76	9.72	9.90	9.57	9.76	9.73	10.13	10.18	10.27	10.07
1962	10.05	9.77	9.69	9.88	9.53	9.62	9.46	9.68	10.02	10.47	10.76	10.52	9.95
1963	9.64	10.46	9.81	9.94	9.85	9.78	9.77	9.61	10.34	10.96	10.81	10.59	10.13
1964	10.78	9.95	9.87	9.56	9.49	9.66	9.86	9.94	9.77	10.20	10.27	10.36	9.98
1965	10.25	9.97	9.44	9.76	9.41	9.56	9.56	9.61	9.49	10.50	10.35	10.49	9.87
1966	10.20	10.05	10.28	9.53	9.74	9.71	9.44	9.70	10.11	10.32	10.15	10.62	9.99
1967	10.38	10.26	9.77	9.59	9.64	9.49	9.66	9.70	10.29	10.50	10.13	10.28	9.97
1968	10.11	10.22	10.21	9.75	9.60	9.74	9.66	9.84	10.13	10.54	10.78	10.42	10 08
1969	10.16	10.40	9.76	10.33	9.79	9.68	9.68	9.93	10.14	10.21	10.67	10.94	10.14
1970	10.50	10.25	10.07	9.76	9.76	9.72	9.77	9.77	9.85	10.18	10.21	10.35	10.02
1971	9.86	9.81	10.06	9.90	9.54	9.61	9.46	9.89	9.96	9.98	10.24	10.01	9.86
1972	9.76	9.95	9.99	9.90	9.57	9.76	9.58	9.78	9.78	9.80	10.42	10.26	9.88
1973	10.41	10.09	10.09						9.71	10.11	9.97	10.45	9.91
1974	9.87	10.16	9.94	9.85	9.71	9.71	9.58	9.42	9.54	10.06	10.37	10.63	9.90
1975	10.02	10.09	9.79	9.47	9.46	9.39	9.56	9.66	9.53	10.15	10.24	10.02	9.78
1976	10.19	10.05	9.93	9.86	9.91	9.67	10.02	9.96	10.06	10.07	10.24	10.40	10.03
1977	9.98	10.53	9.98	9.63	9.67	9.64	9.63	9.69	9.92	10.43	10.32	10.11	9.96
1978	10.16	10.30	9.95	9.69	9.57	9.29	9.27	9.62	10.01	10.13	9.94	9.89	9.82
1979	9.90	10.02	9.83	9.40	9.47	9.36	9.58	9.46	9.86	10.22	10.21	10.37	9.81
1980	10.08	10.21	9.88	10.06	9.53	9.38	9.49	9.49	9.68	10.17	10.43	10.20	9.88

RUN DATE 11/16/82

STATION NO. 9452210

JUNEAU,AK 58 17.9N 134 24.7W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1936	15.30	14.71	14.65	14.65	14.90	15.21	15.25	15.01	15.02	15.30	15.60	15.55	15.10
1937	14.18	14.98	14.96	14.98	14.88	15.04	15.01	15.25	14.96	15.31	15.50	15.40	15.04
1938	15.25	14.94	15.23	14.92	14.77	14.85	14.85	14.71	15.11	15.48	15.28	15.33	15.06
1939	15.33	14.57	14.63	14.56	14.82	14.76	14.96	15.03	15.20	15.25	15.69	16.21	15.08
1940	15.42	15.42	15.24	14.79	14.95	14.89	15.02	15.21	15.20	15.40	15.30	15.80	15.22
1941											15.31	15.37	15.14
1942													14.95
1943													14.82
1944	15.50	14.45	14.46	14.57	14.57	14.64	14.59	14.73	14.58	14.91	15.24	14.85	14.76
1945	14.95	14.60	15.02	14.08	14.29	14.48	14.70	14.35	14.46	15.00	14.82	15.01	14.65
1946	14.85	14.95	14.82	14.65	14.28	14.54	14.74	14.56	14.83	14.92	14.52	14.55	14.68
1947	14.45	14.22	14.34	14.25	14.36	14.65	14.65	14.46	14.64	15.53	14.89	15.27	14.64
1948	15.09	14.22	14.31	14.19	14.40	14.39	14.56	14.43	14.73	15.04	15.23	14.73	14.61
1949	14.34	14.29	14.39	14.47	14.50	14.56	14.47	14.68	14.62	14.62	15.00	14.47	14.53
1950	13.76	14.50	14.21	14.21	14.08	14.30	14.60	14.76	14.68	14.90	14.21	14.85	14.42
1951	14.43	14.08	13.90	13.90	14.06	14.22	14.29	14.35	14.47	14.38	14.74	14.29	14.26
1952	14.70	14.42	14.15	14.19	14.10	14.40	14.15	14.25	14.55	14.55	14.84	15.46	14.48
1953	14.75	14.42	14.41	14.13	14.25	14.14	14.24	14.38	14.45	14.94	15.06	14.81	14.50
1954	14.20	14.41	13.74	13.66	13.76	14.36	14.23	13.95	14.03	14.36	14.85	15.00	14.21
1955	14.34	14.02	13.63	14.13	13.89	14.11	13.96	14.13	14.09	14.51	14.04	14.18	14.09
1956	14.35	13.88	13.90	13.67	13.82	14.17	13.97	14.22	14.06	14.44	14.30	14.19	14.08
1957	13.34	13.73	13.98	13.69	13.94	14.23	14.21	14.09	14.15	14.06	14.49	14.79	14.06
1958	14.95	14.59	13.80	13.98	13.76	13.75	13.72	14.15	14.13	14.47	14.51	14.37	14.18
1959	14.05	13.92	14.32	13.69	13.64	14.09	14.07	14.13	14.15	13.88	14.06	14.83	14.07
1960	14.32	14.17	13.91	14.06	13.95	13.98	14.01	13.92	13.94	14.48	14.57	14.37	14.14
1961	14.49	14.63	14.41	13.88	13.78	14.12	13.89	14.07	13.93	14.31	14.19	14.03	14.14
1962	13.80	13.69	13.63	13.90	13.70	13.84	13.79	14.03	14.17	14.61	14.84	14.52	14.04
1963	13.62	14.22	13.69	13.79	13.91	14.00	14.03	13.88	14.36	15.04	14.65	14.35	14.13
1964	14.62	13.96	13.71	13.54	13.55	13.75	14.05	14.11	13.78	14.25	14.10	14.01	13.95
1965	13.91	13.85	13.27	13.70	13.46	13.69	13.78	13.84	13.52	14.51	14.08	14.28	13.82
1966	13.88	13.81	14.05	13.35	13.73	13.87	13.71	13.87	14.24	14.36	13.90	14.26	13.92
1967	14.02	13.89	13.30	13.30	13.43	13.52	13.72	13.66	14.32	14.41	14.00	14.00	13.80
1968	13.68	13.81	13.86	13.58	13.44	13.67	13.70	13.82	14.10	14.46	14.65	14.05	13.90
1969	13.60	13.96	13.35	13.94	13.51	13.69	13.66	13.94	13.94	13.72	14.32	14.57	13.85
1970	13.88	13.84	13.65	13.37	13.42	13.57	13.66	13.76	13.62	13.67	13.52	13.56	13.63
1971	12.95	13.11	13.35	13.54	13.08	13.37	13.27	13.67	13.66	13.64	13.78	13.34	13.40
1972	13.07	13.33	13.45	13.51	13.22	13.62	13.46	13.69	13.54	13.60	14.02	13.76	13.52
1973	13.93	13.62	13.85	13.18	13.52	13.66	13.52	13.74	13.83	13.79	13.30	13.77	13.64
1974	13.20	13.56	13.29	13.30	13.29	13.49	13.22	13.17	13.17	13.79	14.20	14.29	13.50
1975	13.52	13.51	13.32	13.06	13.11	13.15	13.42	13.30	13.26	13.81	13.80	13.45	13.39
1976	13.53	13.54	13.42	13.46	13.45	13.73	14.08	13.61	13.70	13.72	13.88	14.00	13.68
1977	13.52	14.12	13.59	13.21	13.30	13.37	13.37	13.39	13.46	13.96	13.98	13.36	13.55
1978	13.40	13.62	13.30	13.12	13.07	13.00	12.98	13.31	13.54	13.87	13.40	13.41	13.34
1979	13.21	13.00	13.19	12.78	12.99	12.94	13.10	13.07	13.32	13.76	13.65	13.76	13.23
1980	13.24	13.49	13.19	13.41	13.01	13.00	13.10	13.08	13.18	13.70	13.92	13.25	13.30

RUN DATE 11/16/82

STATION NO. 9452400

SKAGWAY,AK 59 27.ON 135 19.5W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1944									14.87	15.30	15.08	14.97	
1945	14.99	14.63	15.12	14.23	14.56	14.91	15.10	14.95	14.87	15.41	14.65	14.98	14.87
1946	15.00	15.00	15.00	14.79	14.49	14.87	15.18	15.03	14.99	15.13	14.58	14.35	14.87
1947	14.42	14.14	14.49	14.38	14.53	15.04	14.98	14.71	15.02	15.81	15.02	15.44	14.83
1948	15.21	14.15	14.28	14.13	14.60	14.77	14.94	14.70	15.05	15.35	15.50	14.80	14.79
1949	14.50	14.05	14.35	14.45	14.44	14.92	14.77	14.96	14.85	14.83	15.42	14.29	14.65
1950	13.47	14.18	14.26	14.10	14.29	14.55	14.84	14.72	14.87	14.97	13.97	14.61	14.40
1951	14.15	14.08	13.89	14.02	14.28	14.67	14.71	14.61	14.59	14.18	14.62	14.08	14.32
1952	14.04	14.35	14.15	14.21	14.09	14.44	14.55	14.44	14.65	14.96	15.25	15.44	14.55
1953	14.49	14.55	14.39	14.17	14.42	14.48	14.62	14.87	15.00	15.09	14.96	14.87	14.66
1954	14.04	14.27	13.75	13.67	13.86	14.62	14.68	14.25	14.11	14.50	14.81	14.88	14.29
1955	14.50	13.98	13.64	14.17	13.95	14.18	14.26	14.62	14.29	14.66	13.78	13.86	14.16
1956	13.97	13.69	13.69	13.66	13.93	14.40	14.28	14.45	14.25	14.45	14.46	13.94	14.10
1957	13.17	13.67	13.91	13.69	13.94	14.44	14.44	14.25	14.44	13.97	14.58	14.79	14.11
1958	14.79	14.27	13.65	13.82	13.86	14.09	14.11	14.32	14.23	14.44	14.48	14.27	14.19
1959	13.52	13.77	14.25	13.61	13.54	14.09	14.50	14.30	14.25	13.78	14.04	14.72	14.03
1960	14.35	14.00	13.50	13.86	13.79	14.02	14.06	14.23	14.26	14.51	14.65	14.47	14.14
1961	14.31	14.29	14.16	13.67	13.63	14.07	14.12	14.44	14.16	14.15	13.90	13.70	14.05
1962	13.41	13.26	13.29	13.61	13.52	13.92	13.76	14.03	14.20	14.38	14.51	14.03	13.83
1963	13.20	13.96	13.31	13.46	13.62	13.72	14.20	13.91	14.38	14.86	14.40	14.20	13.94
1964						13.83	14.16	14.10	13.67		13.83		
1965	13.24	13.36	13.09	13.53	13.36	13.53	13.77	13.87	13.57	14.25	13.59	13.71	13.57
1966	13.26	13.20	13.60	13.20	13.56	13.77	13.74	13.91	14.02	14.45	14.00	14.48	13.77
1967	13.96	13.46	12.88	12.88	13.26	13.60	13.89	13.91	14.42	14.09	13.74	13.64	13.64
1968	13.18	13.29	13.46	13.27	13.19	13.66	13.64	13.72	14.00	14.13	14.32	13.34	13.60
1969	12.81	13.49	13.06	13.55	13.30	13.62	13.56	13.78	13.96	14.23	14.59	14.88	13.74
1970	14.07		14.14										
1971													
1972													
1973													
1974													
1975													
1976													
1977	13.29	14.49		13.28									

RUN DATE 11/16/82

STATION NO. 9453220

YAKUTAT BAY,AK 59 32.8N 139 44.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1940	9.16	9.06	8.88	8.31	8.32	8.32	8.26	8.66	8.80	9.21	8.86	9.41	8.77
1941	9.38	8.87	8.87	8.62	8.34	8.35	8.44	8.24	8.44	8.94	9.05	9.13	8.72
1942	9.20	8.82	8.65	8.64	8.29	8.16	8.22	8.27	8.16	8.96	8.80	8.80	8.58
1943	8.52	8.51	8.19	8.36	7.89	7.96	8.26	8.34	8.50	8.89	9.19	9.10	8.48
1944	9.30	8.10	8.28	8.32	8.14	7.98	8.11	8.22	8.25	8.86	9.14	8.87	8.46
1945	9.26	8.64	8.78	8.03	8.01	8.24	8.42	8.09	8.30	8.74	8.80	8.94	8.52
1946	8.77	8.84	8.67	8.40	7.91	8.02	8.22	8.13	8.48	8.63	8.28	8.46	8.40
1947	8.41	8.26	8.25	8.12	7.99	8.23	8.19	8.22	8.38	9.44	8.68	9.14	8.44
1948	8.97	8.26	8.23	7.95	8.06	7.84	8.12	8.03	8.58	8.92	9.11	8.67	8.40
1949	8.38	8.35	8.27	8.27	7.98	8.24	7.93	8.30	8.42	8.57	9.05	8.56	8.36
1950	7.86	8.63	8.32	8.14	7.98	7.93	8.19	8.34	8.39	8.86	8.33	8.71	8.31
1951	8.50	8.17	8.04	7.84	7.91	7.89	7.90	7.92	8.27	8.32	8.82	8.24	8.15
1952	8.63	8.48	8.09	8.10	7.88	7.86	7.68	7.95	8.39	8.39	8.84	9.52	8.32
1953	8.83	8.56	8.43	8.11	7.97	7.76	7.84	8.07	8.39	8.90	9.09	8.90	8.40
1954	8.46	8.42	7.78	7.88	7.69	8.10	8.00	7.75	8.07	8.56	8.96	9.02	8.22
1955	8.67	8.16	7.82	8.09	7.91	7.79	7.74	8.04	7.93	8.56	8.14	8.27	8.09
1956	8.49	7.99	7.92	7.72	7.82	7.95	7.73	8.11	8.04	8.46	8.49	8.34	8.09
1957	7.42	7.98	8.11	7.76	7.84	7.89	7.92	7.96	8.24	8.28	8.70	8.98	8.09
1958	9.17	8.83	7.88	7.97	7.87	7.66	7.80	8.22	8.19	8.71	8.84	8.76	8.32
1959	8.59	8.29	8.51	7.93	7.80	8.03	8.01	8.03	8.30	8.29	8.48	8.94	8.27
1960	8.47	8.41	8.25	8.30	8.02	7.98	7.93	7.97	8.13	8.66	8.78	8.76	8.30
1961	8.81	8.83	8.64	7.83	7.88	8.14	7.79	8.13	8.01	8.36	8.43	8.39	8.27
1962	8.06	7.59	7.63	7.87	7.52	7.77	7.61	7.74	8.24	8.58	8.87	8.39	7.99
1963	7.70	8.53	7.85	7.96	7.94	7.93	7.81	7.70	8.44	9.17	8.76	8.68	8.21
1964	8.91	8.12	7.90	7.72									8.15
1965										8.87	8.42	8.72	8.10
1966	8.22	8.17	8.51	7.73	8.04	7.83	7.70	8.11	8.50	8.59	8.23	8.73	8.20
1967	8.48	8.43	7.75	7.58	7.71	7.74	7.92	7.99	8.57	8.62	8.32	8.48	8.13
1968	8.12	8.45	8.31	7.83	7.62	7.77	7.79	7.99	8.42	8.72	8.94	8.55	8.21
1969	8.04	8.43	7.91	8.38	7.77	7.66	7.90	8.08	8.13	8.34	8.86	9.05	8.21
1970	8.47	8.27	8.18	7.82	7.91	7.66	7.95	7.97	7.98	8.40	8.25	8.39	8.10
1971	7.76	7.98	8.07	8.07	7.68	7.56	7.62	8.00	8.06	8.17	8.25	7.95	7.93
1972	7.78	7.96	7.90	7.77	7.50	7.64	7.54	8.09	8.03	8.09	8.62	8.40	7.94
1973										8.32	7.99	8.51	8.01
1974	7.92	8.27	7.85	7.92	7.72	7.89	7.68	7.47	7.69	8.43	8.64	8.88	8.03
1975	8.08	8.25	7.90	7.61	7.74	7.58	7.70	7.77	7.79	8.29	8.38	8.07	7.93
1976	8.28	8.15	7.96	7.98	8.00	7.79	7.94	8.07	8.31	8.19	8.32	8.55	8.13
1977	7.90	8.67	8.12	7.73	7.77	7.72	7.89	7.86	8.21	9.06	8.62	8.08	8.14
1978	8.15	8.46	7.96	7.65	7.62	7.32	7.49	7.68	8.23	8.44	7.98	8.00	7.92
1979							7.77	7.59	8.07	8.56	8.52	8.51	7.96
1980	8.16	8.32	8.01	8.19	7.59	7.45	7.65	7.53	7.84	8.42	8.70	8.16	8.00

RUN DATE 11/16/82

STATION NO. 9455500

SELDOVIA,AK 59 26.4N 151 43.OW

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1964						17.52	17.73	18.17	18.01	18.37			
1965				17.58	17.52	17.62	17.52						
1966	17.93	17.77	17.84	17.32	17.61	17.47	17.37	17.94	18.42	18.28	17.72	18.25	17.83
1967	17.83	17.92	17.32	17.00	17.16	17.27	17.41	17.89	18.60	18.26	17.90	17.90	17.70
1968	17.68	18.21	17.97	17.57	17.29	17.43	17.59	17.56	17.97	18.41	18.62	17.71	17.83
1969	17.51	18.02	17.41	17.99	17.37	17.30	17.50	17.66	17.85	18.06	18.14	18.88	17.81
1970	17.95											17.84	
1971	17.06	17.47	17.07	17.48	17.36	17.18	17.18	17.60	17.65	17.81	17.67	17.26	17.40
1972	16.81	17.14	17.04	17.01	16.96	17.12	16.92	17.57	17.39	17.38	17.89	17.61	17.24
1973	17.68	17.40	17.60	17.10	17.26	17.28	16.90	16.94	17.39	17.88	17.40	17.94	17.40
1974	17.10	17.55	17.25	17.30	17.19	17.37	17.06	17.28	17.46	18.10	18.22	18.37	17.52
1975	17.57	17.77	17.27	16.99	17.12	16.98	17.18	17.25	17.42	17.98	17.79	17.47	17.40
1976	17.82	17.29	17.26	17.41	17.46	17.14	17.46	17.65	18.14	17.88	18.51	18.41	17.70
1978	18.13	18.62	18.29	18.03	18.17	17.73	16.93	17.14	17.55	17.94	17.39	17.39	17.78
1979	17.48	17.06	17.39	16.68	17.02	16.76	17.10	17.15	17.66	18.21	17.97	17.62	17.34
1980	17.38	17.80		17.71	17.14	16.75	16.96	16.94	17.38	17.92	18.05	17.40	

RUN DATE 11/16/82

STATION NO. 9461380

ADAK,AK 51 51.5N 176 38.1W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1943					4.83	4.80	4.91	4.87	5.09	5.19	5.46	5.50	
1944	5.57	5.33	4.65	5.02	4.96	5.03	5.01	5.14	4.86	4.83	5.53	5.54	5.12
1945	5.79	5.43	5.00	4.53	5.03	4.83	4.91	5.08	5.12	5.16	4.68	5.72	5.11
1946	5.69	5.40	5.00	4.90	4.94	4.87	4.85	4.86	4.91	5.07	4.79	4.98	5.02
1947	4.79	5.43	5.12	5.09	5.19	5.04	4.89	4.85	4.89	5.17	5.78	5.35	5.13
1948	5.45	4.94	4.71	4.40	4.92	5.03	4.92	4.85	4.83	5.14	5.19	5.05	4.95
1949	5.06	4.97	5.45	4.92	4.96	4.87	4.79	4.97	5.12	4.90	5.45	4.95	5.03
1950	4.55	5.00	5.60	4.85	4.99	4.80	4.93	5.06	5.17	5.05	4.59	5.24	4.99
1951	5.21	5.33	4.80	5.05	5.10	5.20	4.85	5.08	5.04	5.39	5.36	5.23	5.14
1952	5.26	5.65	5.29	5.12	4.99	5.26	5.04	4.99	5.14	5.34	5.68	5.40	5.26
1953	5.68	5.53	4.99	5.28	5.25	4.91	4.89	5.05	5.03	5.33	5.76	5.63	5.28
1954	5.19	5.51	5.11	4.82	5.19	5.00	4.85	5.00	5.10	5.24	5.44	5.18	5.14
1955	5.84	5.14	5.01	5.04	5.27	4.98	5.07	4.94	5.07	5.07	5.22	5.00	5.14
1956	5.00	5.31	5.20	5.20	5.37	5.19	4.94	5.15	5.18	4.65	5.08	5.23	5.12
1957						5.66	5.45	5.60	5.72	5.78	5.90	5.49	
1958	6.04	5.97	5.59	5.49	5.63	5.34	5.38	5.29	5.56	5.39	5.61	5.98	5.61
1959	5.56	5.54	5.33	5.30	5.30	5.20	5.15	5.35	5.61	5.82	5.95	5.71	5.48
1960	5.91	5.73	5.15	5.20	5.19	5.20	5.17	5.38	5.23	5.48	5.51	5.85	5.42
1961					5.36	5.16	5.29						
1962	5.24	5.18	5.10	4.52	5.00	5.00	5.03	5.25	5.13	5.55	5.86	5.54	5.20
1963	5.98	5.52	5.24	5.09	5.34	5.51	5.24	5.26	5.56	5.30	5.40	6.00	5.45
1964					4.32	4.86		5.08					
1965				4.96	5.18	5.30	5.07	5.27	5.37	5.30	5.27	5.18	5.21
1966	5.82	5.25	4.91	5.28	5.14	5.04	5.19	5.25	5.36	5.12	5.05	5.77	5.26
1967	5.52	5.60	5.03	4.92	4.80	5.12	4.88	5.22	5.36	5.37	5.36	5.34	5.21
1968	5.10	5.52	5.14	5.03	4.85	4.98	5.22	5.24	5.17	5.32	5.75	5.15	5.21
1969	5.29	5.55	5.23	5.14	5.19	5.20	4.97	4.94	5.33	5.36	5.51	5.80	5.29
1970	5.42	5.87	5.57	5.11	4.78	5.17	5.23	5.14	5.21	5.19	5.09	5.53	5.28
1971	4.96	5.33	5.24	5.03	5.18	4.93	5.11	5.03	5.19	5.02	5.38	5.36	5.15
1972	5.20	4.93	5.08	4.66	5.03	5.00	4.81	5.12	5.25	5.13	5.49	5.16	5.07
1973	5.24	5.36	5.41	4.91	4.93	4.95	4.99	5.06	5.03	4.87	4.97	5.57	5.11
1974	5.44	5.05	5.44	5.25	5.14	4.90	4.80	5.18	4.97	5.31	5.43	5.84	5.23
1975	5.16	5.37	5.09	4.89	5.04	4.99	5.01	4.95	4.95	5.04	5.09	5.51	5.09

RUN DATE 11/16/82

STATION NO. 9462620

UNALASKA ISLAND, AK 53 52.8N 166 32.3W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1955						5.17			5.26	5.40	5.51	5.41	
1956	5.41	5.35	5.32	5.34	5.54	5.33	5.13	5.39	5.30	5.10	5.43	5.60	5.35
1957	5.30	5.32	5.68	5.46	5.65	5.69	5.47	5.55	5.91	5.12	5.90	5.80	5.57
1958	6.16	6.10	5.54	5.63	5.59	5.65	5.55	5.49	5.60	5.65	5.85	6.03	5.74
1959	5.89					5.22			5.63	5.75	6.24	6.03	
1960	5.97	5.91	5.19	5.39	5.39	5.35	5.28	5.35	5.43	5.69	5.72	6.22	5.57
1961	6.29	5.74	5.52	4.86	5.27	5.04	5.11	5.34	5.14	5.13	5.29	5.26	5.33
1962	5.34	5.46	5.23	4.89	4.97	4.96	5.05	5.19	5.22	5.58	6.04	5.62	5.30
1963	5.71	5.64	4.83	4.92	5.18	5.30	5.06	5.09	5.65	5.61	5.58	6.20	5.40
1964	6.04	5.67	5.00	4.92	4.61	5.08	5.12	5.24	5.30	5.25	5.18	5.05	5.20
1965	5.75	5.22	5.34	4.78	4.97	5.21	4.89	5.06	5.26	5.47	5.18	5.09	5.18
1966	5.50	5.10	4.92	5.05	4.86	5.14	5.20	5.30	5.48	5.13	4.82	5.70	5.18
1967	5.32	5.46	4.73	4.65	4.80	5.03	4.84	5.20	5.59	5.52	5.36	5.30	5.15
1968	4.99	5.71	5.49	5.24	5.00						6.04	5.14	
1969	5.11	5.49	5.05	5.28	5.16	5.24	4.84	4.80	5.34	5.57	5.71	6.27	5.32
1970	5.55	6.01	5.68	4.89	4.98	5.19	5.30	5.27	5.37	5.20	5.06	5.28	5.32
1971	4.88	5.20	5.07	5.07	5.11	4.87	4.97	4.94	5.07	4.89	5.12	5.06	5.02
1972	4.82	4.88	4.84	4.55	4.90	4.94	4.72	5.05	4.91	5.01	5.46	5.18	4.94
1973	5.24					4.88	4.84	4.79	4.99	4.76	4.74	5.51	
1974	5.18	4.91	5.18	5.15	5.01	4.83	4.71	4.81	4.87	5.37	5.34	5.66	5.08
1975	5.07	5.25	4.94	4.71	4.98	4.78	4.93	4.90	4.91	5.02	5.07	5.24	4.98

RUN DATE 11/16/82

STATION NO. 1612340

HONOLULU,OAHU,HI 21 18.4N 151 52.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1905	4.20	4.17	4.19	4.07	4.14	4.03	4.07	4.20	4.34	4.24	4.08	3.92	4.14
1906	4.09	4.10	4.08	4.12	4.24	4.13	4.22	4.34	4.54	4.46	4.48	4.40	4.27
1907	4.35	4.13	4.11	3.95	4.26	4.37	4.43	4.51	4.48	4.44	4.28	4.20	4.29
1908	4.16	4.20	4.30	4.14	4.30	4.34	4.27	4.32	4.33	4.32	4.12	4.01	4.23
1909	3.95	3.91	4.03	4.05	3.80	3.80	4.02	3.98	4.01	4.00	3.87	3.95	3.95
1910	3.71	3.85	3.78	3.98	3.91	3.89	4.11	4.29	4.54	4.62	4.42	4.15	4.10
1911	4.13	4.02	4.04	3.92	3.73	3.83	4.10	4.14	4.11	4.21	4.13	4.09	4.04
1912	4.06	4.13	3.91	3.96	4.06	4.20	4.15	4.10	4.22	4.25	4.32	4.30	4.14
1913	4.11	4.15	4.28	4.10	4.25	4.30	4.30	4.20	4.27	4.33	4.29	4.22	4.23
1914	4.23	4.20	4.28	4.38	4.46	4.46	4.55	4.55	4.49	4.36	4.41	4.51	4.41
1915	4.27	4.36	4.42	4.36	4.25	4.48	4.78	4.83	4.84	4.59	4.38	4.52	4.51
1916	4.54	4.46	4.31	4.23	4.24	4.24	4.22	4.19	4.56	4.60	4.31	4.33	4.35
1917	4.28	4.32	4.20	3.71	4.04	4.25	4.38	4.38	4.36	4.58	4.48	4.46	4.29
1918	4.37	4.25	3.99	4.05	4.03	3.94	3.99	4.15	4.24	4.34	4.20	4.16	4.14
1919	4.14	4.10	4.23	4.32	4.26	4.27	4.33	4.47	4.77	4.73	4.59	4.57	4.40
1920	4.62	4.56	4.59	4.57	4.61	4.74	4.94	4.91	4.72	4.63	4.40	4.43	4.64
1921	4.40	4.58	4.61	4.51	4.49	4.48	4.44	4.50	4.62	4.46	4.42	4.39	4.49
1922	4.33	4.32	4.23	4.15	4.28	4.34	4.36	4.48	4.59	4.44	4.49	4.34	4.36
1923	4.29	4.18	4.32	4.21	4.19	4.19	4.30	4.46	4.49	4.49	4.39	4.39	4.32
1924	4.29	4.18	4.10	4.19	4.20	4.26	4.22	4.27	4.31	4.27	4.34	4.36	4.25
1925	4.30	4.30	4.26	4.26	4.35	4.37	4.49	4.58	4.47	4.61	4.45	4.44	4.41
1926	4.29	4.29	4.31	4.36	4.39	4.47	4.39	4.42	4.48	4.33	4.23	4.37	4.36
1927	4.15	4.12	4.09	4.10	4.07	4.11	4.35	4.54	4.58	4.33	4.40	4.34	4.26
1928	4.22	4.29	4.40	4.43	4.31	4.11	4.04	4.11	4.24	4.14	4.09	4.02	4.20
1929	4.24	4.17	4.00	3.94	4.06	4.19	4.33	4.38	4.39	4.45	4.42	4.41	4.25
1930	4.36	4.22	4.17	4.03	4.20	4.34	4.54	4.48	4.70	4.54	4.47	4.28	4.36
1931	4.39	4.27	4.41	4.35	4.38	4.33	4.38	4.38	4.41	4.59	4.54	4.40	4.40
1932	4.18	4.15	4.33	4.22	4.26	4.32	4.32	4.50	4.59	4.59	4.65	4.53	4.39
1933	4.28	4.24	4.24	4.38	4.36	4.30	4.31	4.30	4.40	4.47	4.42	4.41	4.34
1934	4.36	4.20	4.25	4.22	4.12	4.09	4.08	4.17	4.40	4.37	4.35	4.14	4.23
1935	4.22	4.17	4.28	4.48	4.42	4.30	4.28	4.55	4.62	4.66	4.52	4.41	4.41
1936	4.40	4.46	4.23	4.41	4.38	4.30	4.36	4.56	4.54	4.47	4.54	4.47	4.43
1937	4.40	4.26	4.07	4.32	4.22	4.16	4.24	4.38	4.47	4.64	4.41	4.30	4.32
1938	4.23	4.32	4.28	4.29	4.31	4.33	4.35	4.40	4.65	4.55	4.35	4.14	4.35
1939	4.10	4.20	4.36	4.42	4.40	4.25	4.49	4.48	4.37	4.29	4.42	4.44	4.35
1940	4.64	4.56	4.54	4.32	4.32	4.52	4.78	4.80	4.69	4.77	4.72	4.57	4.60
1941	4.50	4.49	4.46	4.43	4.56	4.53	4.33	4.59	4.62	4.48	4.60	4.53	4.51
1942	4.60	4.64	4.41	4.31	4.21	4.23	4.35	4.48	4.60	4.83	4.68	4.66	4.50
1943	4.52	4.46	4.86	4.59	4.39	4.38	4.56	4.93	4.97	4.89	4.79	4.71	4.67
1944	4.58	4.68	4.68	4.41	4.30	4.47	4.62	4.57	4.57	4.61	4.51	4.43	4.54
1945	4.52	4.51	4.32	4.35	4.35	4.28	4.33	4.30	4.47	4.55	4.56	4.57	4.43
1946	4.46	4.50	4.40	4.39	4.29	4.42	4.47	4.57	4.64	4.54	4.51	4.60	4.48
1947	4.37	4.27	4.31	4.21	4.24	4.40	4.60	4.70	4.65	4.90	4.60	4.47	4.48
1948	4.48	4.35	4.23	4.14	4.08	4.28	4.33	4.39	4.47	4.60	4.68	4.60	4.39
1949	4.80	4.58	4.52	4.38	4.46	4.34	4.36	4.46	4.44	4.45	4.39	4.28	4.46
1950	4.38	4.38	4.36	4.40	4.37	4.32	4.44	4.58	4.63	4.61	4.60	4.64	4.48

RUN DATE 11/16/82

STATION NO. 1612340

HONOLULU,OAHU,HI 21 18.4N 151 52.0W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1951	4.28	4.34	4.36	4.19	4.33	4.40	4.46	4.67	4.72	4.76	4.62	4.39	4.46
1952	4.33	4.50	4.51	4.44	4.41	4.34	4.44	4.59	4.63	4.62	4.64	4.51	4.50
1953	4.35	4.36	4.26	4.25	4.37	4.30	4.52	4.78	4.60	4.57	4.53	4.53	4.45
1954	4.48	4.53	4.34	4.40	4.35	4.24	4.40	4.62	4.72	4.71	4.65	4.57	4.50
1955	4.25	4.41	4.32	4.10	4.10	3.82	4.00	4.32	4.50	4.58	4.51	4.19	4.26
1956	4.17	4.19	4.18	4.27	4.30	4.31	4.30	4.41	4.56	4.57	4.65	4.59	4.38
1957	4.56	4.57	4.44	4.36	4.33	4.39	4.49	4.61	4.53	4.41	4.43	4.30	4.45
1958	4.17	4.39	4.44	4.22	4.34	4.34	4.63	4.67	4.78	4.95	4.91	4.80	4.55
1959	4.74	4.64	4.61	4.64	4.72	4.79	4.74	5.01	4.93	4.74	4.64	4.62	4.74
1960	4.43	4.44	4.38	4.25	4.20	4.31	4.32	4.37	4.44	4.56	4.54	4.56	4.40
1961	4.54	4.41	4.38	4.53	4.36	4.73	4.88	4.91	5.00	4.89	4.48	4.38	4.62
1962	4.77	4.72	4.58	4.47	4.54	4.60	4.64	4.55	4.61	4.50	4.59	4.67	4.60
1963	4.63	4.51	4.47	4.38	4.52	4.52	4.48	4.80	4.82	4.76	4.67	4.57	4.59
1964	4.31	4.31	4.43	4.45	4.42	4.44	4.78	4.71	4.73	4.56	4.57	4.62	4.53
1965	4.50	4.34	4.44	4.18	4.23	4.26	4.56	4.51	4.58	4.70	4.83	4.64	4.48
1966	4.50	4.49	4.46	4.37	4.26	4.34	4.56	4.76	4.68	4.64	4.67	4.52	4.52
1967	4.43	4.48	4.31	4.16	4.08	4.18	4.22	4.45	4.62	4.68	4.68	4.64	4.41
1968	4.62	4.59	4.38	4.14	4.20	4.38	4.66	4.91	4.88	4.86	4.83	4.79	4.60
1969	4.83	4.64	4.66	4.43	4.60	4.70	4.72	4.58	4.79	4.73	4.62	4.45	4.65
1970	4.53	4.46	4.28	4.20	4.26	4.29	4.37	4.50	4.72	4.61	4.62	4.43	4.44
1971	4.44	4.22	4.26	4.24	4.29	4.46	4.63	4.64	4.51	4.47	4.51	4.43	4.42
1972	4.38	4.41	4.45	4.28	4.24	4.25	4.46	4.65	4.71	4.59	4.37	4.42	4.43
1973	4.24	4.47	4.37	4.58	4.48	4.40	4.60	4.68	4.72	4.70	4.74	4.69	4.56
1974	4.84	4.67	4.58	4.51	4.64	4.58	4.62	5.06	4.95	4.82	4.78	4.61	4.72
1975	4.52	4.46	4.45	4.44	4.39	4.40	4.40	4.52	4.51	4.46	4.45	4.41	4.45
1976	4.51	4.31	4.28	4.32	4.37	4.43	4.46	4.66	4.82	4.73	4.77	4.65	4.53
1977	4.70	4.37	4.22	4.34	4.32	4.49	4.60	4.80	4.74	4.72	4.82	4.86	4.58
1978	4.62	4.67	4.54	4.73	4.68	4.44	4.87	4.64	4.61	4.87	4.78	4.55	4.67
1979	4.50	4.34	4.45	4.57	4.64	4.52	4.57	4.69	4.73	4.81	4.65	4.66	4.59
1980	4.86	4.81	4.61	4.54	4.51	4.60	4.83	4.79	4.73	4.75	4.80	4.87	4.72

RUN DATE 11/16/82

STATION NO. 1619000

JOHNSTON ISLAND 16 44.4N 169 31.8W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1950	2.47	2.37	2.44	2.71	2.37	2.67	2.88	2.76	3.06	2.65	2.63	2.84	2.65
1951	2.52	2.52	1.82	2.70	2.87	2.09	2.27	3.07	2.96	2.90	2.75	2.87	2.61
1952					2.92		3.04		3.35	3.23	2.94	2.98	
1953	3.05	2.89				2.52	2.69	3.08	2.98	3.23	2.99	3.00	
1954	3.25	3.15	2.72	2.73	2.74	2.64	2.57	2.73	2.67	2.91	3.48	2.82	2.87
1955	2.89	2.76	2.38	2.31	2.32	2.41	2.61	2.90	2.84	3.07	3.08	2.98	2.71
1956	2.84	2.93	2.60	2.61	2.34	2.41	2.67	2.88	2.80	2.78	3.26	3.17	2.77
1957	3.18	3.14	2.88	2.65	2.60	2.78	2.56	2.72	3.07	2.96	3.27	2.66	2.87
1958	2.76	2.70	2.49	2.50	2.48	2.21	2.63	3.31	3.05	2.98	3.00	2.82	2.74
1959	3.20	2.56	2.58	2.70	2.64	2.63	2.94	2.98	3.27	3.19	2.87	3.11	2.89
1960	3.09	3.04	2.48	2.51	2.87	2.51	2.48	2.80	3.17	2.74	2.99	3.07	2.81
1961	3.16	3.40	3.16	2.91	2.58	2.85	3.08	3.04	3.01	3.15	2.81	3.08	3.02
1962	3.04	3.22		2.45	2.22	2.75	2.98	3.12	3.25				2.88
1963	2.50	2.75	2.33	2.37	2.48	2.37	2.85	2.95	3.06	3.08	3.16	3.19	2.76
1964	2.76	2.47	3.10	3.06	2.71	2.90	2.86	3.09	3.24	3.26	3.07	2.62	2.93
1965	2.16	2.47	2.59	2.50	2.56	2.54	2.70	2.64	2.95	3.14	3.14	2.92	2.69
1966	2.78	2.95	2.87	2.95	2.66	2.62	2.94	3.05	3.00	3.28	2.94	2.83	2.91
1967	2.75	3.03	2.61	1.78	2.38	2.68	2.92	2.85	3.03	2.97	2.93	2.88	2.73
1968	2.54	2.73	2.39	1.95	2.79	2.36	2.56	2.74	3.00	3.25	3.18	2.99	2.71
1969	2.51	2.63	2.67	2.56	2.70	2.84	2.93	2.90	3.20	3.08	3.17	3.32	2.88
1970	3.02	2.93	3.08	3.02	2.89	2.93	3.06	2.99	2.72	3.21	3.16	2.94	3.00
1971	3.06	2.86	2.82	2.78	2.51	2.64	2.93	3.02	3.04	2.98	2.62	2.74	2.83
1972	2.58	2.29	2.39	2.58	2.51	2.53	2.72	2.83	2.48	2.79	2.93	3.14	2.65
1973	2.93	2.58	2.58	2.56	2.14	2.72	2.94	2.90	2.89	2.86	2.83	3.13	2.76
1974	3.19	2.50	2.69	2.71	2.59	2.58	2.53	2.72	2.75	3.11	3.25	3.02	2.80
1975	3.17	2.82	2.61	3.23	2.41	2.71	2.68	3.03	3.08	3.04	2.92	2.64	2.86
1976	2.47	2.82	2.30	2.37	2.69	2.46	2.60	2.79	2.90	2.92	2.65	2.66	2.64
1977	2.90	2.52	2.66	2.70	2.51	2.70	2.90	2.75	3.05	3.25	3.01	2.92	2.82
1978	2.87	2.52	2.54	2.67	2.69	2.93	2.93	2.80	3.03	2.88	2.45	2.67	2.75
1979	2.37	2.05	2.46	2.66	2.46	2.58	2.72	2.94	3.05	3.06	2.86	2.82	2.67
1980	3.10	2.69			2.66	2.68		3.04	3.13	3.04	3.12	3.32	

RUN DATE 11/16/82

STATION NO. 1619910

SAND ISLAND, MIDWAY 28 12.7N 177 21.6W

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1947	3.32	3.40	3.13	2.91	3.09	3.28	3.06	3.18	3.27	3.36	3.47	2.91	3.20
1948	2.88	3.09	2.91	3.10	3.08	3.04	3.07	3.42	3.50	3.33	3.60	3.52	3.21
1949	3.34	3.54	3.59	3.07	3.19	3.20	3.12	3.26	3.34	3.40	3.45	3.49	3.33
1950	3.53	3.29	3.29	3.12	3.10	3.07	3.23	3.48	3.56	3.58	3.78	3.66	3.39
1951	3.65	3.70	3.56	3.21	3.12	3.27	3.41	3.46	3.53	3.53	3.55	3.51	3.46
1952	3.38	3.22	3.13	3.10	3.00	3.38	3.61	3.53	3.76	3.63	3.63	3.64	3.42
1953	3.69	3.60	3.36	3.43	3.33	3.29	3.33	3.34	3.64	3.73	3.39	3.25	3.45
1954	3.55	3.31	3.32	3.14	3.08	3.47	3.25	3.11	3.23	3.24	3.50	3.41	3.30
1955	3.40	3.37	3.40	3.13	3.11	3.28	3.32	3.28	3.27	3.31	3.29	3.24	3.28
1956	3.33	3.23	2.93	2.82	2.83	2.96	3.10	3.37	3.67	3.69	3.44	3.39	3.23
1957	3.21	3.42	3.19	3.05	3.23	3.10	2.87	3.16	3.36	3.32	3.20	3.16	3.19
1958	3.62	3.63	2.96	2.77	3.15	3.10	3.15	3.44	3.61	3.53	3.31	3.30	3.30
1959	3.33	2.74	3.01	2.84	2.88	3.11	3.11	3.39	3.54	3.28	3.18	3.31	3.14
1960	3.63	3.37	3.15	3.10	3.36	3.46	3.49	3.51	3.21	3.36	3.23	2.99	3.32
1961	3.29	3.47	3.75	3.19	2.91	3.11	2.84	2.98	3.33	3.69	3.32	3.66	3.30
1962	3.30	3.31	3.20	3.27	2.85	3.02	2.96	2.92	3.14	3.15	3.18	3.44	3.14
1963	3.71	3.53	3.25	3.23	3.37	3.33	3.05	3.38	3.41	3.44	3.23	3.25	3.35
1964	3.42	3.58	3.29	2.82	3.20	3.41	3.55	3.64	3.62	3.75	3.94	3.73	3.50
1965	3.22	3.21	3.54	3.11	3.05	3.08	3.28	3.64	3.87	3.57	3.73	3.43	3.39
1966	3.43	3.20	3.35	3.30	3.20	3.12	3.21	3.12	3.25	3.19	3.29	3.24	3.24
1967	3.34	3.26	3.15	3.20	3.09	3.35	3.38	3.13	3.33	3.33	3.29	3.50	3.28
1968	3.48	3.79	3.03	3.03	3.02	3.02	3.17	3.73	3.88	3.52	3.35	3.49	3.38
1969	2.93	3.15	3.02	2.60	2.70	2.85	2.99	3.40	3.67	3.37	3.10	3.49	3.11
1970	3.79	3.90	3.44	2.70	3.38	3.47	3.26	3.23	2.98	3.00	3.24	3.07	3.29
1971	3.26	3.41	3.07	3.13	3.42	3.06	3.63	3.76	3.37	3.32	3.41	3.41	3.35
1972	3.25	3.15	2.92	2.87	3.04	2.89	3.04	3.16	3.36	3.18	3.30	3.24	3.12
1973													
1974			3.25	3.07			3.72	3.68	3.34	3.28	3.12	3.35	
1975	3.06	3.18	3.12	2.98	2.80	2.84	2.91	3.08	3.10	3.22	3.21	3.08	3.05
1976	3.48	3.28	3.04						3.75	3.75	3.67	3.58	
1977	3.91	3.36	3.19	3.12	3.33	3.04	2.73			3.20	3.78	3.49	
1978	3.35	3.23	2.91	2.79	2.64	2.66	2.85	3.78		3.76			
1979				3.39	2.95	2.62	2.84	3.45	3.62	3.50			

RUN DATE 11/16/82

STATION NO. 1630000

APRA HARBOR,GUAM 13 26.5N 144 39.2E

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1949	2.38	2.51	2.59	2.68	2.70	2.86	2.95	3.04	3.04	2.85	2.59	2.89	2.76
1950	2.94	2.98	3.06	3.07	3.11	2.99	2.96	2.70	2.64	2.42	2.38	2.31	2.80
1951	2.24	2.28	2.56	2.73	2.84	2.91	2.87	2.88	2.79	2.71	2.51	2.41	2.64
1952	2.51	2.62	2.79	2.77	2.73	2.84	2.83	2.88	2.62	2.71	2.63	2.56	2.71
1953	2.63	2.76	2.84	2.92	2.88	3.06	3.20	3.15	3.04	2.93	3.00	2.88	2.94
1954	2.83	3.03	3.07	3.19	3.02	3.02	2.92	2.97	2.77	2.62	2.55	2.49	2.87
1955	2.40	2.75	2.79	2.82	2.84	2.84	2.87	2.90	2.93	2.70	2.68	2.68	2.77
1956	2.62	2.76	2.76	2.87	2.81	2.68	2.61	2.61	2.39	2.32	2.32	2.32	2.59
1957	2.64	2.78	2.79	2.82	2.72	2.79	2.99	2.98	2.92	2.80	2.59	2.46	2.77
1958	2.33	2.44	2.41	2.51	2.50	2.50	2.71	2.85	2.60	2.51	2.40	2.11	2.49
1959	1.90	2.26	2.44	2.72	2.78	2.84	2.89	2.85	2.86	2.68	2.46	2.39	2.59
1960	2.36	2.63	2.58	2.78	2.83	2.95	2.88	2.90	2.66	2.65	2.60	2.46	2.69
1961	2.46	2.57	2.77	2.74	2.91	3.08	3.02	2.84	2.89	2.82	2.57	2.56	2.77
1962	2.76	2.70	2.86	3.11	3.07	2.94	2.82	2.85	2.66	2.61	2.58	2.50	2.79
1963	2.54	2.50	2.92	3.02	2.98	2.82	2.57	2.63	2.63	2.26	2.20	2.09	2.60
1964	2.31	2.45	2.47	2.56	2.65	2.80	2.90	2.87	2.78	2.53	2.58	2.54	2.62
1965	2.54	2.82	2.76	2.76	2.74	2.70	2.90	2.90	2.81	2.58	2.33	2.31	2.68
1966	2.35	2.46	2.53	2.59	2.72	2.76	2.80	2.82	2.86	2.78	2.42	2.47	2.63
1967	2.38	2.41	2.42	2.50	2.55	2.50	2.67	2.60	2.39	2.48	2.12	1.87	2.41
1968	2.34	2.56	2.67	2.59	2.67	2.68	2.74	2.59	2.54	2.28	2.06	1.76	2.46
1969	1.97	2.20	2.50	2.46	2.43	2.58	2.84	2.81	2.76	2.58	2.74	2.60	2.54
1970	2.46	2.68	2.81	2.73	2.92	3.18	3.19	3.08	3.16	3.07	2.94	3.08	2.94
1971	2.96	2.96	2.90	2.95	2.91	3.09	3.23	3.10	3.07	2.95	2.85	2.96	2.99
1972	2.74	2.75	2.65	2.57	2.56	2.50	2.49	2.19	1.80	1.23	1.62	1.78	2.24
1973	1.95	1.95	2.04	2.47	2.65	2.92	3.01	3.03	3.03	3.03	2.95	2.81	2.65
1974	2.85	2.92	2.80	2.81	2.74	2.62	2.62	2.50	2.42	2.59	2.23	2.21	2.61
1975	2.44	2.63	2.76	2.76	2.90	3.11	3.18			2.97			
1976				2.95								2.55	
1977	2.61	2.75	2.86	2.92	2.85	2.88	2.86	2.86	2.99	2.75	2.34	2.33	2.75
1978	2.37	2.53	2.48	2.60	2.80	2.77	2.99	2.99	2.86	2.83	2.70	2.40	2.69
1979	2.35	2.22	2.45	2.60	2.64	2.79	3.03	2.85	2.66	2.57	2.59	2.40	2.60
1980	2.36	2.46	2.61			2.87	2.91	2.95	2.77	2.62	2.63	2.38	

RUN DATE 11/16/82

STATION NO. 1770000
PAGO PAGO, AMERICAN SAMOA 14 16.7S 170 40.9W
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1948										3.49	3.31	3.31	
1949	3.30	3.55	3.59	3.63	3.88	3.61	3.59	3.54	3.56	3.62	3.60	3.80	3.61
1950	3.83	3.78	3.86	3.88	3.84	3.71	3.60	3.60	3.70	3.77	3.82	3.90	3.77
1951	3.78	4.02	4.07	3.95	3.74	3.64	3.66	3.64	3.67	3.64	3.61	3.49	3.74
1952	3.54	3.53	3.60	3.52	3.50	3.78	3.87	3.88	3.82	3.80	3.72	3.61	3.68
1953	3.42	3.40	3.56	3.62	3.70	3.61	3.65	3.66	3.47	3.49	3.31	3.38	3.52
1954	3.46	3.43	3.55	3.71	3.69	3.95	3.81	3.85	3.80	3.88	3.81	3.98	3.74
1955	4.08	4.06	4.06	4.11	3.94	3.92	3.82	3.95	3.87	3.85	3.84	3.83	3.94
1956	3.91												3.86
1957	3.86	3.86	3.76	4.00	3.84	3.75	3.79	3.78	3.83	3.60	3.69	3.59	3.78
1958	3.46	3.45	3.41	3.24	3.45	3.43	3.64	3.69	3.70	3.76	3.77	3.69	3.56
1959	3.76	3.58	3.47	3.96	3.92	3.77	3.73	3.83	3.67	3.68	3.56	3.72	3.72
1960	3.84	3.89	3.95	4.08	4.00	3.94	3.83	3.93	4.38	3.86	3.78	3.79	3.94
1961	3.76	3.78	3.78	3.68	3.76	3.97	3.96	4.08	4.11	3.87	3.67	3.63	3.84
1962	3.69	3.67	3.61	3.89	4.04	3.97	3.89	3.89	3.90	3.90	3.82	3.73	3.83
1963	3.60	3.64	3.72	4.07	3.98	3.90	3.83	3.92	3.83	3.83	3.78	3.66	3.81
1964	3.53	3.50	3.58	3.58	3.70	3.82	3.98	4.03	4.00	4.03	4.05	3.86	3.80
1965	3.80	3.89	3.93	3.90	3.87	3.86	3.93	3.91	3.96	3.82	3.68	3.49	3.84
1966	3.53	3.18	3.48	3.62	3.56	3.72	3.80	3.76	3.70	3.67	3.74	3.49	3.60
1967	3.51	3.72	3.75	4.08	4.11	4.01	3.97	3.71	3.81	3.84	3.82	3.84	3.85
1968	3.91	3.82	3.68	3.69	3.78	3.81	3.90	3.92	3.80	3.96	3.87	3.70	3.82
1969	3.88	3.91	3.93	3.82	3.72	3.69	3.66	3.71	3.77	3.75	3.63	3.58	3.75
1970	3.62	3.78	3.61	3.73	3.92	3.98	4.07	3.94	3.67	3.64	3.68	3.95	3.80
1971	4.08	4.18	4.19	4.28	4.26	4.09	4.07	3.87	3.90	3.93	3.88	3.72	4.04
1972	3.84	3.77	3.86	3.91	3.84	3.81	3.88	3.86	3.81	3.83	3.74	3.88	3.84
1973	3.80	3.69	3.67	3.70	3.54	3.58	3.62	3.59	3.77	3.60	3.58	3.88	3.67
1974	3.93	3.91	3.88	4.16	4.21	4.07	4.05	4.11	4.03	3.80	4.09	4.03	4.02
1975	3.78	3.79	3.85	3.93	3.79	3.78	3.77	3.80	3.91	3.99	4.01	3.91	3.86
1976	3.97	4.00	4.02	4.02	3.96		4.05		3.76	3.79	3.88	3.98	
1977	3.83	3.81	3.82	3.75	3.79	3.73	3.68	3.67	3.60	3.61	3.76	3.61	3.72
1978													
1979													
1980	3.82	3.60	3.86	3.90	3.60	3.72	3.83	4.06	4.10	4.18	4.11	4.15	3.91

RUN DATE 11/16/82

STATION NO. 1820000
KWAJALEIN, MARSHALL ISLANDS 08 44.2N 167 44.3E
MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1947	4.49	4.69	4.83	4.84	4.65	4.67	4.58	4.62	4.56	4.67	4.68	4.68	4.66
1948	4.61	4.51	4.50	4.59	4.72	4.66	4.70	4.65	4.95	4.90	4.54	4.63	4.66
1949	4.29	4.60	4.68	4.70	4.88	4.69	4.74	4.75	4.69	4.65	4.66	4.45	4.65
1950	4.48	4.46	4.64	4.62	4.65	4.44	4.51	4.67	4.82	4.73	4.69	4.94	4.64
1951	4.41	4.63	4.65	4.74	4.61	4.63	4.54	4.53	4.44	4.37	4.34	4.22	4.51
1952	4.14	4.32	4.36	4.49	4.51	4.63	4.76	4.73	4.71	4.88	4.56	4.42	4.54
1953	4.51	4.62	4.73	4.73	4.82	4.83	4.74	4.74	4.63	4.56	4.52	4.48	4.66
1954	4.65	4.61	4.64	4.81	4.58	4.40	4.35	4.60	4.76	4.77	4.47	4.56	4.60
1955	4.71	4.85	4.85	4.73	4.55	4.56	4.61	4.76	4.85	4.79	4.78	4.96	4.75
1956	4.81	4.63	4.71	4.64	4.63	4.55	4.63	4.72	4.68	4.72	4.66	4.62	4.67
1957	4.41	4.62	4.61	4.63	4.70	4.67	4.59	4.56	4.51	4.35	4.15	3.88	4.47
1958	4.01	4.38	4.62	4.75	4.67	4.57	4.65	4.73	4.62	4.75	4.52	4.35	4.55
1959	4.35	4.37	4.64	4.71	4.53	4.30	4.35	4.43	4.61	4.65	4.49	4.42	4.49
1960	4.42	4.63	4.79	4.71	4.86	4.87	4.78	4.74	4.84	5.01	4.83	4.67	4.76
1961	4.69	4.80	4.87	4.82	4.88	4.91	4.84	4.87	4.95	4.87	4.81	4.55	4.82
1962	4.72	4.85	4.85	4.90	4.89	4.91	4.96	4.91	4.99	4.98	4.87	4.79	4.88
1963	4.47	4.89	4.96	4.82	4.79	4.70	4.60	4.63	4.50	4.56	4.47	4.45	4.65
1964	4.44	4.58	4.86	4.86	4.95	4.80	4.72	4.74	4.90	4.80	4.69	4.49	4.74
1965	4.37	4.52	4.69	4.76	4.74	4.61	4.63	4.53	4.46	4.41	4.18	4.09	4.50
1966	4.24	4.52	4.51	4.64	4.72	4.66	4.59	4.69	4.75	4.75	4.69	4.56	4.61
1967	4.59	4.76	4.90	4.80	4.67	4.66	4.82	4.84	4.95	4.97	4.80	4.59	4.78
1968	4.71	4.95	4.94	4.74	4.43	4.30	4.39	4.47	4.53	4.66	4.52	4.37	4.58
1969	4.26	4.33	4.38	4.54	4.59	4.47	4.53	4.58	4.66	4.48	4.37	4.45	4.47
1970	4.53	4.71	4.90	4.87	4.94	4.96	4.93	4.91	4.89	4.96	4.95	4.91	4.87
1971	4.81	4.91	5.01	4.98	4.99	5.02	5.12	4.96	4.84	4.94	4.72	4.80	4.92
1972	4.64	4.76	4.75	4.69	4.56	4.44	4.46	4.44	4.47	4.36	4.23	4.20	4.50
1973	4.36	4.56	4.81	4.87	5.06	4.97	4.99	4.90	4.80	4.90	4.85	4.82	4.82
1974	4.78	4.87	5.08	4.96	4.83	4.79	4.83	4.77	4.96	5.05	5.00	4.62	4.88
1975	4.58	4.68	4.82	5.00	4.88	4.90	4.77	4.78	4.98	5.11	4.83	4.86	4.85
1976	4.78	4.83	4.72	4.75	4.76	4.80	4.80	4.67	4.48	4.47	4.35	4.50	4.66
1977	4.50	4.66	4.88	5.06	5.02	4.95	4.98	4.85	4.69	4.62	4.66	4.44	4.78
1978	4.44	4.75	4.96	5.03	5.06	4.91	4.78	4.78	4.93	4.84	4.64	4.49	4.80
1979	4.29	4.46	4.77	4.77	4.76	4.82	4.94	4.86	4.82	4.71	4.71	4.61	4.71
1980	4.64	4.73	4.93	4.80	4.70	4.76	4.63	4.69	4.80	4.84	4.55	4.63	4.72

RUN DATE 11/16/82

STATION NO. 1840000

TRUK ATOLL, E. CAROLINES 07 26.8N 151 50.7E

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1947										3.71			
1948		3.52	3.61								3.66	3.71	
1949				3.58						3.61	3.77		
1950		3.55	3.72	3.68	3.61	3.58					3.84	3.60	
1951	3.40	3.54	3.80	3.45	3.27						2.93	2.75	
1952											3.55	3.33	
1953	3.30	3.33	3.66	3.74	3.77	3.67	3.67	3.48	3.23	3.17	3.20	3.06	3.44
1954	3.06	3.36	3.46	3.65	3.62	3.56	3.43	3.47	3.70	3.86	3.76	3.62	3.55
1955	3.65	3.89	3.80	3.63	3.58	3.50	3.45	3.46	3.81	3.85	4.05	3.93	3.72
1956	3.65	3.65	3.75	3.64	3.52	3.49	3.34	3.51	3.62	3.62	3.52	3.36	3.56
1957	3.58	3.56	3.60	3.75	3.54	3.56	3.42	3.39	3.16	3.04	2.96	2.72	3.36
1958	2.74	3.01	3.36	3.61	3.65	3.51	3.28	3.26	3.46	3.41	3.26	3.50	3.34
1959	3.40	3.44	3.34	3.54	3.62	3.46	3.30	3.31	3.46	3.46	3.44	3.27	3.42
1960	3.18	3.38	3.64	3.72	3.68	3.66	3.75	3.81	3.71	3.56	3.63	3.42	3.60
1961	3.39	3.59	3.70	3.81	3.79	3.55	3.58	3.79	3.64	3.74	3.66	3.66	3.66
1962	3.42	3.53	3.72	3.76	3.79	3.64	3.72	3.63	3.55	3.86	3.80	3.59	3.67
1963	3.42	3.53	3.69	3.60	3.60	3.56	3.36	3.29	3.24	3.30	3.00	2.95	3.38
1964	3.22	3.45	3.62	3.72	3.73	3.75	3.71	3.75	3.81	3.86	3.71	3.47	3.65
1965	3.43	3.55	3.74	3.75	3.67	3.56	3.44	3.13	3.04	2.97	2.81	2.82	3.33
1966	3.03	3.32	3.57	3.59	3.50	3.48	3.41	3.47	3.46	3.61	3.51	3.56	3.46
1967	3.68	3.82	3.78	3.64	3.60	3.46	3.61	3.51	3.70	3.81	3.65	3.39	3.64
1968	3.62	3.86	3.89	3.80	3.67	3.40	3.40	3.38	3.41	3.54	3.33	3.15	3.54
1969	3.17	3.08	3.27	3.47	3.45	3.36	3.36	3.28	3.32	3.35	3.33	3.08	3.29
1970	2.87	3.48	3.67	3.81	3.88	3.73	3.71	3.83	3.88	3.93	3.85	3.65	3.69
1971	3.63	3.75	3.74	3.65	3.42	3.67	3.79	3.75	3.82	4.14	3.67	3.72	3.73
1972	3.70	3.60	3.69	3.55	3.36	3.07	2.92	3.04	2.92	2.91	2.84	2.81	3.20
1973	3.01	3.28	3.76	3.85	3.86	3.75	3.85	3.74	3.91	3.97	3.90	3.84	3.73
1974	3.77	3.75	3.56	3.76	3.55	3.51	3.62	3.88	3.89	4.06	3.85	3.41	3.72
1975	3.48	3.90	4.03	3.97	3.90	3.89	3.77	3.69	3.98	4.27			
1976				3.65	3.32	3.21	3.23	3.28			2.97	2.91	
1977				3.90	3.78	3.81	3.78	3.61	3.51	3.54	3.31	3.17	
1978	3.20	3.32	3.70	3.74	4.01	3.78	3.83	3.78	3.82	3.75	3.81	3.60	3.70
1979	3.47	3.54	3.75	3.80	3.70	3.71	3.70	3.57	3.67	3.30	3.38	3.32	3.58
1980	3.15	3.24	3.57	3.70	3.45	3.30	3.29	3.31	3.36	3.43	3.11	3.09	3.33

RUN DATE 11/16/82

STATION NO. 1890000

WAKE ISLAND 19 17.4N 166 37.8E

MONTHLY AND YEARLY MEAN SEA LEVEL (FEET)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR MEAN
1950						4.76	4.94	5.07	5.18	5.21	5.03	4.91	
1951	4.51	5.15	4.79	4.77	4.80	4.83	5.20	5.02	4.87	4.95	4.88	4.76	4.88
1952	4.93	4.92	4.87	5.01	4.92	5.00	5.34	5.09	5.10	5.30	5.44	5.24	5.10
1953	5.29	5.48	5.29	5.40	5.27	5.16	5.01	5.02	5.04	5.11	5.33	4.93	5.19
1954	5.27	5.33	5.02	5.23	5.01	4.90	5.17	5.49	5.09	5.25	5.14	4.92	5.15
1955	4.87	5.20	5.44	4.97	5.12	5.05	5.35	5.24	4.97	4.77	5.17	4.96	5.09
1956	5.09	4.28	4.80	4.83	4.53	4.76	4.77	4.90	5.03	5.15	5.07	5.04	4.85
1957	5.04	5.13	4.66	4.58	4.43	4.88	5.44	5.52	5.27	5.08	5.30	4.94	5.02
1958	4.71	4.77	5.08	5.22	4.62	4.94	4.74	5.41	5.02	5.05	5.04	5.23	4.99
1959	5.07	4.84	4.94	5.12	4.95	5.25	4.83	5.30	5.67	5.50	5.15	5.16	5.15
1960	4.90	5.11	5.40	5.68	5.17	5.20	5.23	4.94	5.26	5.15	4.93	5.36	5.19
1961	5.25	5.06	5.01	5.03	4.88	4.92	5.21	5.55	5.64	5.30	4.70	4.75	5.11
1962	4.84	4.72	5.00	5.47	5.00	5.07	5.33	5.61	5.40	5.26	4.87	4.84	5.12
1963	4.79	5.12	5.01	5.08	5.21	5.44	5.38	5.48	4.86	5.16	5.13	5.12	5.15
1964	5.03	5.03	5.06	5.06	5.17	4.76	5.17	5.20	4.95	5.10	5.40	5.35	5.11
1965	5.26	5.12	5.17	5.26	4.97	4.63	4.90	5.34	4.99	5.44	4.90	4.62	5.05
1966	4.96	5.20	5.00	4.56	4.75	4.72	4.68	4.84	5.00	5.54	5.05	5.08	4.95
1967	5.04	5.22	5.02	4.56	4.91	4.69	4.97	5.01	5.12	5.16	5.00	4.80	4.96
1969						5.15	5.19	5.06	5.48	5.34	5.28	5.16	
1970	5.28	5.26	5.12	4.73	4.85	5.34	5.61	5.52	5.48	5.41	5.41	5.23	5.27
1971	5.02	4.88	4.82	4.79	4.81	4.81	5.03	5.32	5.37	5.29	5.20	5.23	5.05
1972	4.91	4.84	4.94	4.98	4.65	4.96	5.10	5.19	5.13	5.27	5.39	5.31	5.06
1973	5.05	5.18	5.02	5.11	4.99	5.02	5.24	5.13	5.15	5.11	5.14	5.17	5.11
1974	5.40		4.95									5.08	
1975	5.01	5.13	5.41	5.47	5.53	5.41	5.18	5.40	5.52	5.49	5.62	5.48	5.39
1976	5.33	5.14	5.12	5.26	4.98	5.03	5.12	5.07	5.08	5.10	4.99	4.93	5.10
1977	4.87	4.86	4.66	4.78	4.79	5.07	5.24	5.00	5.01	5.16	5.39	5.10	4.99

APPENDIX C

FORMULA FOR CALCULATING TRENDS AND VARIABILITY

Slope of a least-squares line of regression:

$$b = \frac{\Sigma xy - \frac{(\Sigma x)(\Sigma y)}{n}}{\Sigma x^2 - \frac{(\Sigma x)^2}{n}}$$

Where x = height of yearly mean sea level,
y = date, and
n = number of yearly mean sea-level values.

Standard Error of Slope:

$$s_b = \frac{s_{y.x}}{\sqrt{\Sigma x^2 - \frac{(\Sigma x)^2}{n}}}$$

Where $s_{y.x}$ = Standard Error Estimate.

Standard Error of Estimate (standard deviation from line of regression):

$$s_{y.x} = \sqrt{\frac{\Sigma y^2 - \frac{(\Sigma y)^2}{n} - b\left(\Sigma xy - \frac{(\Sigma x)(\Sigma y)}{n}\right)}{n - 2}}$$

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